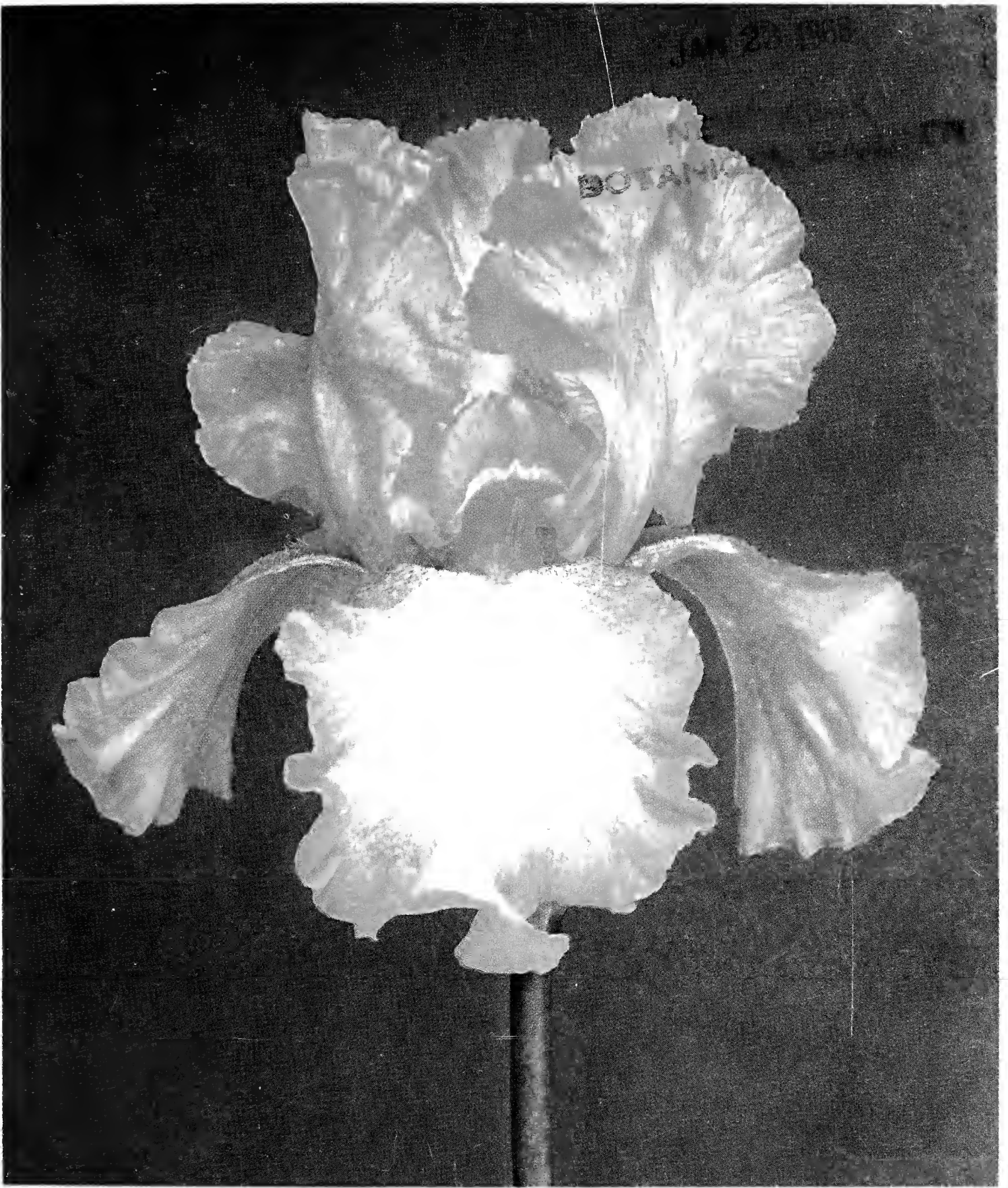


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BULLETIN OF THE
American Iris Society

NUMBER 188 JANUARY

AMERICAN IRIS SOCIETY SHOW SUPPLIES

(THIS LIST SUPERSEDES ALL PREVIOUS LISTINGS)

P R E P A I D

Official show supplies of the American Iris Society are available from the American Iris Society, 2315 Tower Grove Boulevard, St. Louis, Missouri 63110. Please make checks payable to the American Iris Society. Show reports are to be mailed to William T. Bledsoe, Chairman Exhibition Committee, Route 4, Fayetteville, Tennessee 37334.

All orders are forwarded by prepaid parcel post.

1. **Handbook for Judges and Exhibitions**.....\$1.00 each
2. **Color classification, 1966 revision** 50 cents each
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.....15 cents each
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 - D. Artistic sweepstakes 1.00 each
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13. **Report and application for award.** One set in triplicate for a show. One copy to be mailed immediately after the show to Chairman, Exhibitions Committee; one copy to be mailed to the RVP; and the third copy to be retained for the club files.

THE BULLETIN of the AMERICAN IRIS SOCIETY

NO. 188

JANUARY 1968

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The *Bulletin* is published quarterly by The American Iris Society. Publishing office 2315 Tower Grove Blvd., St. Louis, Mo. 63110. Second-class postage paid at St. Louis, Mo., and at additional mailing offices.

Communications regarding membership in the Society, advertising, and other items of business should be addressed to Mr. Clifford W. Benson, Executive Secretary, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

Communications regarding editorial matters should be addressed to Mr. J. Arthur Nelson, 3131 North 58th Street, Omaha, Nebr. 68104. For information about membership, advertising rates, and back issues, see sections under ANNOUNCEMENTS.

The *Bulletin* is printed by The Livestock Press, Inc., 2830 "O" Street, Omaha, Nebraska 68107.

10467
100-118-125

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THE COVER PICTURE is that of the popular and vote-getting Gibson introduction, **RADIANT APOGEE**. Picture courtesy Cooley's Gardens. **THE BACK COVER PICTURE** is an arrangement by Carl Starker featuring **BUTTERCUP BOWER**. Photograph courtesy Schreiner's.

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1. Its officers and directors must be members of AIS.
2. Participation in the AIS registration and award system is required.
3. Societies having less than 50 percent of their members belonging to AIS and meeting the other conditions, will be required to pay an *annual* fee of \$25.00.

The names of societies given Affiliate status will be published in the *AIS Bulletin*. Inquiries and applications for affiliation should be addressed to Mr. Edward E. Varnum, 550 So. Princeton Ave., Villa Park, Ill. 60181.

TO SECRETARIES OF AFFILIATES: Please report promptly the names and addresses of new presidents to the Secretary and the Editor as well as to Mr. Varnum.

From The President's Desk

The fall meeting of the Directors was held in Dallas at the invitation of Mr. Leon Wolford, RVP of Region 17 and his associates, where the Board members were guests at the reception and the Saturday night banquet. We appreciated the hospitality and the arrangements made for our meetings.

As is usual at the fall Board meetings, most of the year's business is conducted at that time. There have been changes in some of the chairmen of Standing Committees and we welcomed two new members to the Board. Dr. Hugo Wall, newly elected Board member, has been appointed as Chairman of the Membership Committee. Clarke Cosgrove has been appointed to serve the balance of Larry Gaulter's term. It is with deep regret that we accepted the decision of John Bartholomew not to serve another term, and Larry Gaulter's request for the board to accept his resignation. Their service to AIS has been outstanding, and both have been awarded the Distinguished Service Medals, to John Bartholomew in 1963 and to Larry Gaulter at our 1967 meeting.

The board voted to reactivate the position of National Convention Chairman, whose duty will be to act as liaison and advisory representative between the Board and the convention committees. Ed Varnum has been appointed to that position, for which he is well qualified, as he has had experience as chairman of several conventions. Clarke Cosgrove has been appointed Co-Chairman of Exhibitions with W. T. Bledsoe continuing as chairman for the present time. The Judges Training post vacated by Larry Gaulter will be taken over by Mr. Bledsoe, a position for which he is so well qualified. Bill Krasting, who was Director of Robins, has been appointed Chairman of Robins, which position John Bartholomew vacated.

It is with a feeling of gratitude that I thank the committee members for their reports and their constant efforts to resolve the ever occurring problems. The most important ones facing the society today are membership and finances. Our new Chairman of Membership, Dr. Hugo Wall, will need the help of all the Regions and individuals to increase our membership. Even with a substantial increase the dues will not cover current expenses if we are to continue the services expected from the members. The printing costs have more than doubled since our last raise in dues. A new membership list, Robin Director's Manual, RVP Handbook, 50th Anniversary Bulletin, etc., will be added printing costs. The continuing increase on postage and other costs all add to the definite need to increase dues in the near future. The fee for registering an iris will be raised back to three dollars as

of April 1st, and there also will be an increase in the cost of some ad space. There are still a number of 1959 Check Lists on hand, part of which will be sold at a reduced price of \$3.50.

Awards for the Reblooming Iris Society will be activated as soon as a list of eligible varieties is presented by that section. An invitation to attend the fall dinner meeting of the Milwaukee Iris Society gave me the opportunity to present in person the subject of combining the International Iris Symposium with their 1969 Convention. The subject had been presented to them earlier in the year and was under consideration, but I wanted a definite decision before the Board meeting. Their convention committee came to our home in Hinsdale where we discussed the details in length. After a thorough briefing on what would be needed as to time and available space, it was decided that they could extend the convention for an additional day and offer two evenings for speakers or manuscripts. The preliminary correspondence, contacting foreign iris societies and important members, has already been done and the response has been enthusiastic with the majority agreeing to send delegates, attend in person or send manuscripts. The details were presented to the Board and after deliberation the decision was to postpone to some future time such an important event. We had at present no one willing to assume the chairmanship of a committee, and our finances would not permit the expenditure necessary.

Leon Wolford was present at the meeting as a representative of the RVPs and reported that the RVP hand book was being revised by their committee and also made a request that the name of Regional Vice President be changed. In the discussion that followed the decision was to change it to Regional Chairman, subject to the approval of the membership. The National Test Garden will be moved from Ft. Worth to Memphis.

Bob Schreiner, Chairman of Slides, is again calling for you to send a few of those extra slides which you have on hand. Realizing that few photographers care to part with any of their best slides and those are what are wanted, he can have a slide duplicated without any harm to the original and you receive your slide back in perfect condition.

The Board of Directors has voted to award the Hybridizer's Medal to Miss Clara B. Rees for her work with the tall bearded and her contribution to the iris breeding program, and to Mr. Charles W. Arny, Jr., for his outstanding success with the Louisiana irises. My congratulations and that of the entire Board. I also wish to thank the Regional Vice Presidents who have served and are leaving their positions to their successors and welcome the newly appointed ones.

Here in the Chicago area winter started early, in the third week of October. With the foliage still on trees and shrubs, six inches of wet snow fell during the night and damage was very extensive. The Sweet Gum tree which has had special care for years lost the entire top and the Contorted Willow (*Salix tortuosa*) was indeed tortured. A twenty year-old tree, grown from a cutting brought home in my suit case from California, has not much left but the trunk. Many lilacs went to the ground badly harmed so there will be weeks of pruning ahead. So already we think of spring and the convention in Berkeley in late April, the Golden Gate in sixty-eight; see you there.

HUBERT A. FISCHER



Clara Rees, a winner of the 1967 American Iris Society's Hybridizer's Medal, and SNOW FLURRY. The placard is one designed by one of the California shows and shows the list of modern irises which are descendants of SNOW FLURRY.

CLARA REES

PEGGY BURKE GREY

AIS conventioners gather this April at the Claremont Hotel in California's Oakland-Berkeley hills in a return to the place where iris history was made exactly 39 years ago. Here, at a meeting of northern and southern California irisarians in 1939, SNOW FLURRY made her debut into iris society as a cut flower. SNOW FLURRY was the first introduction of Miss Clara B. Rees, and since that day the two have made more friends for irisdom than almost any other iris.

Clara Rees came from Ohio to San Jose, California, with her mother and younger sister Ruth in the fall of 1924, moving the following spring to the now-famous house and garden at 1059 Bird Avenue. Although she recalls having grown a yellow iris on the Ohio farm during her girlhood, the tulip was her special flower. Since tulips weren't as well adapted to California's milder winters she turned to irises. Ruth recalls having paid some fantastic prices for new varieties, such as the wild extravagance of \$6.00 for a group including QUAKER LADY, QUEEN OF MAY, CELESTE and SOUVENIR DE MME. GAUDICHAU. When she spent \$18 for a few varieties, including PURISSIMA and SAN FRANCISCO, in the early 1930's, Clara practically accused her of having taken leave of her senses!

The newer irises were planted out in back of the garage where there was lots of good soil and warm sun. It was here that a large clump of the then-new and gorgeous beauty PURISSIMA flourished. At high noon on a bright spring day, as is her hybridizing custom, Clara carried pollen of the lovely pastel orchid-pink THAIS. That summer there were two seeds in a small pod. One was shriveled and she threw it away. The other was plump and appeared to be good; she considered throwing it away too, but finally decided to plant it to see what would happen. What happened was almost unbelievable; the plant bore huge ruffled blue-white flowers on tall, sturdy, well-branched stalks, coming from bountiful blue-green foliage, obviously a tremendous improvement over any variety then in commerce.

"We were strictly from Greensville in those days," says Ruth, who bills herself as Clara's Girl Friday in the garden. Not knowing how in the world to go about introducing an iris, they decided to take the matter to Carl Salbach, one of the country's leading specialists. He lived in Berkeley, then almost an all-day trip by train, ferry-boat and streetcar from San Jose. Individual flowers without stems were carefully put into little boxes for the journey and Ruth set off one Sunday.

The moment Carl Salbach saw the flowers he demanded, "Where did you get that iris?" "In our garden," replied Ruth. "I think it's nice, don't you?" (This must constitute the understatement of all time!) Obviously excited, Salbach called his son Edward to come view this flower and the two made extensive inquiries into its origin and history.

The following day Salbach and his son drove to San Jose and appeared at the Bird Avenue garden to visit with Clara and see the plant of this amazing new creation. They decided at once that they wanted to buy it and introduce it. Ruth was at work, then as courthouse reporter for the *San Jose Mercury*, so Clara brought the Salbachs to the courthouse where they could all discuss a price for the iris. Having scant idea of what arrangements were customary, but knowing the white iris was indeed of consider-



CLARA B. REES CUP WINNERS

1965

HENRY SHAW
C. W. Benson

1966

WINTER OLYMPICS
Opal Brown

1967

FLUTED HAVEN
Serlena Reynolds

able value, Ruth said that the price would be \$200. This was too much, Salbach felt, but he offered \$150 in cash and \$50 worth of irises in trade. Clara could keep one rhizome and they must agree not to distribute any stock for three years following introduction. Thus SNOW FLURRY found its way before the gardening public in the Salbach catalog.

He took away with him a budded cut stalk of SNOW FLURRY, which was kept in cold storage until the following weekend when it was displayed as a fully opened flower at that historic 1939 AIS-member meeting. Ruth remembers that Clara did not attend the meeting, since even then her health was not robust enough for her to make difficult trips. Ruth went and sat across from Dr. Robert Graves, an AIS founder and talented amateur hybridizer. He remarked with great enthusiasm on the perfectly wonderful hybridizing achievement which SNOW FLURRY represented.

Clara Rees actually had produced a number of fine irises before SNOW FLURRY. There was one she called "Funny Boy", a greyish blue, and several others which were excellent irises according to the standards of the day but, because of her limited knowledge of the methods of putting irises into commerce, they were simply sent back to the iris patch to be grown and enjoyed.

By profession Clara was, and still in her mid-80's is, a bookkeeper. In Ohio she kept books for a manufacturer with over 500 accounts and was in the business world for many years, but she gave this up due to eye problems. She then kept house for her mother and Ruth, who was one of central California's noted newspaperwomen and a prominent member of the Penwomen of America. Ruth now heads her own firm of public relations con-

sultants and Clara still keeps her books.

Clara and Ruth inherited their love of gardening from their mother, who was a great gardener. The Rees garden always has been first and foremost a garden where love of beautiful flowers takes precedence and hybridizing is done for fun and personal satisfaction. Some of the later Rees introductions, such as YELLOW ORGANDY, SADDLE TAN, ASTRONAUT and the recent TOUCH OF ELEGANCE, are excellent varieties; but once one has produced the world's most famous breeding iris, which also happens to be tops as a garden variety even today, the achievement scarcely can be topped.

To pay tribute to Clara Rees and SNOW FLURRY irisarians of the world have beaten a well-trodden path to the garden gate at 1059 Bird Avenue, where every spring a great clump of flouncy blue-white flowers smiles a welcome and says quite audibly, "Clara Rees lives here!"

SHE WALKS IN BEAUTY

MRS. J. R. HAMBLÉN

When Clara B. Rees received the *Snow Flurry Achievement Plaque* from Region 14 in 1960, in her note of appreciation she said: "Even my dreams have never projected a picture in which I would receive so great an honor . . . This Plaque will be 'A thing of beauty and a joy forever' and the love and good will of Region 14 is something I value and appreciate just as highly." In some degree these words project the image of the woman who, with her humble and genteel spirit, possesses a magnetism that reaches out in love and understanding to all who would know her. Her contributions to the iris world are equaled only by her generous love of people and her ability to give of herself.

At the golden age of 88 years, with sparkling brown eyes and a halo of silvered hair, she continues to follow the rainbow's trail and the mellow glow of her charms is reflected in her face which has been molded by a beautiful life. At 88 she is still hybridizer, housekeeper, bookkeeper. Her two recent introductions, ANGEL BRIGHT and LIGHT AND LOVELY (with others planned for release when stock permits), the meticulous home, the perfectly balanced books she keeps for her sister, Ruth, are significant of the full life she leads.

On the Ohio farm where she was raised, even as a child Clara's greatest delight was in roaming the verdant fields and tree-clad hills. Undoubtedly the wild roses and black-eyed Susans she loved then sparked her interest in all plants—an interest that flourished as she helped her mother care for the Ohio garden which was filled with any number of things: vegetables, peonies, tulips, amaryllis and one clump of brown and yellow irises! It was here that Clara's hybridizing began, with amaryllis—a work she carries on to this day. However, although Ruth maintains that many of the amaryllis seedlings have surpassed by far the varieties they have purchased, none have been introduced. This is strictly a fun project.

It was after the father died that Clara, with her mother and Ruth, moved to San Jose for the practical purpose of being near another sister, Mrs. Bert E. Loehr. But those who believe in Destiny will probably read a mystic

meaning into the move that brought Clara B. Rees to California where the genial climate lends itself so well to the efforts of those who would pursue the creation of beauty by pollen dabbing. Be that as it may, when the Bird avenue property was purchased in 1925, Clara and Ruth promptly began to stock it with irises. By 1928 they had 50 named varieties and in 1930 they hushed their conscience and paid \$18.00 for SAN FRANCISCO, FRIEDA MOHR, and PURISSIMA. Other plants were not neglected, and soon the Rees garden became a treasure trove of beauty as well as a mecca for the iris-minded.

With the blooming of MESOPOTAMICA in 1928, Clara's first crosses were made. Each year since then she has raised from 600 to 1,000 seedlings, of which 18 have been introduced. They have enriched and will continue to enrich our gardens but Clara's world-wide fame has been achieved through her first introduction—SNOW FLURRY.

No other iris has received such instant and long lasting recognition. Its 1939 debut was well covered in the local newspaper by G. W. McMurry who headlined his story in one-half inch letters: "San Jose Woman Amazes Iris World With New Bloom." Mr. McMurry devoted several columns to a detailed account of the mechanics, romantics, and dynamics of irises and hybridizing in general—and of SNOW FLURRY in particular. We are indebted to him for the following: "Carl Salbach thought so much of SNOW FLURRY that when he bought the plant from Miss Rees, he put the blossoms in cold storage so they'd keep for the amazement of members of The American Iris Society, which held its first West Coast meeting in Oakland on May 6. Members from as far as New Hampshire and South Carolina attended the meeting. When Mr. Salbach brought the new bloom into the room, there were gasps . . . and already a number of the rhizomes have been ordered by iris fanciers from all over the nation."

Marion Shull, hybridizer and charter member of AIS, but better known to many of us through the pages of his immortal book, *Rainbow Fragments*, was among those attending the Oakland convention. His approval of SNOW FLURRY might well be considered the apogee of praise: "The finest new Iris I saw on the West Coast . . . Tall, well-branched, handsomely ruffled, with large flowers and flaring falls."

SNOW FLURRY's breeding potential was immediately recognized by Orville Fay who bought it, in 1940, on the strength of its pedigree alone. His were the first of the SNOW FLURRY progeny to win awards. Both DESERET SONG and NEW SNOW received their HM in 1946, and along with TRANQUILITY and CLIFFS OF DOVER went on to international fame and AM status . . . ad infinitum. Orville's accomplishments with SNOW FLURRY pollen are paralleled by his sincere praise of this iris which, for many years, he has placed at the top of the list of all irises for breeding.

The years between Marion Shull's varietal comment concerning SNOW FLURRY's beauty and Orville Fay's evaluation of its parental abilities are recorded in national and regional iris publications. Their opinions have been endorsed by descriptive phrase and pedigree—a wealth of material—summarized by Region 14's appreciative and witty Ralph Geyer: "A fine ruffled blue-white that has been a sensation since introduction and is consistently chosen 'Mother of the Year' by hybridizers."

That Clara was not unmindful of SNOW FLURRY's potential is borne out

in a statement she made to the press in 1939: "She proved to be a good seed parent last year, even if she doesn't have pollen. It is my hope that, in the hands of skilled hybridizers, she will become the parent of a new strain of giant ruffled irises." In this flash-back we see Clara as a true creator: **Maybe someone else will find it if I don't.**

And between the lines we see something of her faculty for imagination, and something too, of her inherent modesty. Well remembered is the night I spent in her home, not too long since, when she brushed aside congratulatory remarks and entertained me with her latest Scrapbook. An annual project, representative of the scope of her varied interests: clippings of iris activities; items from the Wadsworth, Ohio Weekly, which are clips, mostly, concerning the children and grandchildren of her old friends there; local and national events of importance; an occasional poem or newspaper column that has caught her fancy. This particular scrapbook had as its first entry a colorful picture of an adorable kitten . . . and on the last page—a snarling old cat!

Foremost among the honors that Clara has received over the years is the great tribute bestowed upon her in 1957 when an active group of San Jose irisarians organized the **Clara B. Rees Iris Society**; and in 1959, in recognition of her legacy to the iris world, the theme of their first show was: "Iris-tocrats of the Garden." Mention has been made of the Plaque that Region 14 presented to its famous member in 1960. The following spring, Tell Muhlestein, valued friend of many years, dedicated his catalog to Clara with the tender metaphor: "Patron Saint of the Clara B. Rees Iris Society."

At the Board of Director's spring meeting, 1964, it was voted to activate the **Clara B. Rees Perpetual Trophy**, to be awarded annually to the best white iris as determined by AIS judges. Recently the Board awarded the **Hybridizer's Medal** to Miss Rees.

One of Clara's most treasured memories is the accolade delivered at the Regional convention banquet in 1964 by her great and wonderful friend, the late Harry J. Randall: "This is an important iris occasion in the city of San Jose, and it is fitting and appropriate, I think, that a tribute should be paid to a much revered resident of the City, who is also one of the grand personages in the iris world . . . Clara Rees, I convey to you greetings from all of your friends, many of whom are unknown to you: I congratulate you on your achievements: I thank you for the pleasure you have given to so many gardeners everywhere: and I wish you good health and happy contentment for the rest of your days."

Mr. Randall's words eloquently express the sentiments of Clara's friends throughout the world. It is neither possible to add to them—nor to realize the influence that Clara B. Rees and her irises will have on our future.

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SNOW FLURRY

(Clara Rees — 1939)

THE EDITORS

PURISSIMA	}	ARGENTINA	}	CATERINA	}	I. <i>cypriana</i>
X		CONQUISTADOR		I. <i>mesopotamica</i>		I. <i>pallida</i>
THAIS				JUNIATA		
				I. <i>mesopotamica</i>		

The interest which gave impetus to this article stems from two sources. We became interested in George Warner's plea to keep in the gardens those "oldies" which in time have proved their ability to produce high class irises, and in his list of worthy parents. At the same time, we had determined that with an article on Clara Rees and SNOW FLURRY in the making, we would give some emphasis to white tall bearded irises in the January Bulletin. We began to check back on the pedigrees of whites, using as the basis of the study those whites which had won the DYKES, the AM, the CLARA REES CUP or had garnered a large number of votes in this competition, and whites which appear often in today's gardens or in the literature, including the 1967 Popularity Poll. We thus selected a list of 24 white irises for careful pedigree study.

While we knew, in an off-hand way, as many of us do, that SNOW FLURRY is a direct parent of two Dykes Medal winners, BLUE SAPPHIRE and VIOLET HARMONY, that it appears in the pedigrees of other Dykes winners, and is part of the line of many other award-winning irises, we were a little overwhelmed at how often it does appear. And parenthetically, we began to wonder how great the odds were that such an iris as SNOW FLURRY ever should appear. But that is another story.

In another article in this Bulletin, Les Peterson has made an appraisal of SNOW FLURRY as a parent of whites, and it is not our purpose to duplicate his fine efforts, but rather to analyze the data from another direction.

SNOW FLURRY is the maternal parent of five white irises which have won the AM award: CELESTIAL SNOW, FLUTED HAVEN, NEW SNOW, SNOW GODDESS and TRANQUILITY. One cannot help but observe that in each case GLORIOLE appears on the other side of the pedigree. In the case of CELESTIAL SNOW the name GLORIOLE appears four times and CAHOKIA twice. FLUTED HAVEN, the most recent Rees Cup winner, brings in GLORIOLE through CLOUD CASTLE.

SNOW FLURRY also is the grandparent of five AM white irises. In the pedigree of PIETY, GLORIOLE appears again, along with WINTER CARNIVAL three times, GREAT LAKES twice and AZURE SKIES once. POET'S DREAM shows up with SNOW FLURRY and GREAT LAKES blood through REHOBETH. The 1967 AM winner GOODNESS also stems from REHOBETH, and shows GREAT LAKES twice in its makeup, along with CHIVALRY and MISSOURI.

WEDDING BOUQUET again shows the SNOW FLURRY-GLORIOLE influence, as does CLIFFS OF DOVER, but CAHOKIA is introduced into its bloodstream.

SNOW FLURRY also is the great-grandparent of five AM winning white irises. The 1967 Dykes Medal winner, WINTER OLYMPICS, with Dykes Medal winners ELEANOR'S PRIDE, BLUE RHYTHM, HELEN MCGREGOR, GREAT LAKES (twice) and SIERRA BLUE in its lineage, also brings in again REHOBETH and GLORIOLE. CURL'D CLOUD shows GLORIOLE, AZURE SKIES and CAHOKIA in its bloodline. CAHOKIA and GLORIOLE appear at least twice each in the makeup of IRISH LINEN. ARCTIC FLAME doubles up in its SNOW FLURRY background, as well as doubling up on its NEW SNOW-GLORIOLE and pink ancestor influence. HENRY SHAW, the first winner of the Rees Cup, shows PURISSIMA at least six times in its background, along with GLORIOLE, CAHOKIA, JANE PHILLIPS, HELEN MCGREGOR and GREAT LAKES.

SNOW FLURRY also is the great-grandparent of four whites which have won AMs. ARCTIC FURY, the 1967 AM winner, from HENRY SHAW, shows an intriguing assembly of the bloodlines of PURISSIMA, GLORIOLE, SPANISH PEAKS, JANE PHILLIPS and GREAT LAKES. BILLOWING SAILS shows much the same influence. CHRISTMAS TIME doubles up on SNOW FLURRY and GLORIOLE influence through NEW SNOW, but equally significant is that on the other side of the pedigree it is from a white sport of MAY HALL. WHITE PRIDE again traces back to the SNOW FLURRY, GLORIOLE, CAHOKIA and SPANISH PEAKS lines.

These are nineteen award winning irises of relative recency, and one cannot escape the conclusion that SNOW FLURRY crossed with certain bloodlines produces white irises of exceptional merit. Not that we would recommend a breeding program based on pedigree study alone; the irises used in the hybridizing program also must show those qualities the hybridizer seeks as the ultimate; but it would seem that the lesson is plain that the genetic structure of these bloodlines is capable of bringing into the third and the fourth and the fifth generations those qualities we seek.

What of the other five irises? In some cases the records are incomplete, but we would guess that in a couple of cases SNOW FLURRY does appear in the pedigree. SWAN BALLET comes from SPANISH PEAKS, with AZURE SKIES and SHINING WATERS on the other side of the pedigree. THE CITADEL shows up with GLORIOLE (twice) through CLOUD CASTLE and SENSATION (which also appears farther back in the bloodlines of many of these we have listed above), and JANE PHILLIPS and GREAT LAKES. PATRICIA CRAIG, on one side of the pedigree, shows an intense doubling and redoubling PURISSIMA, CHIVALRY and GREAT LAKES bloodlines through SLEIGHRIDE.

We were unable to trace in any authentic way the background of CHRISTMAS ANGEL and FROST AND FLAME.

As we look quickly at the pedigrees of leading blues, we are aware that the same tendencies are apparent, but that is another time and another story in another Bulletin.

Perhaps some day one of our leading hybridizers, with years of experience in making iris crosses and the study of pedigrees, can improve on this rather superficial study by pinpointing the contributions each of these ancestors has made for the improvement of the genus and go back even farther in the analysis of significant parents.

An "Opus" on Whites

CLIFFORD W. BENSON

Gone, forever, are the days when iris judges commented—"oh—just another white," when they regarded some meritorious new introduction in that color class. The tone of their voices seemed to suggest that there were too many whites already and that the possibilities of further improvements were virtually exhausted.

Around the turn of the century, the supply of white irises available for hybridizing was limited to such varieties as ALBICANS, GERMANICA ALBA, FLORENTINA and INNOCENZA. Very little, to be sure, to go on when one compares them with our present-day dazzling whites. Intense interest, however, was aflame overseas, and Sir Michael Foster, Louis Auguste Ferdinand Denis and Sir Arthur Fenton Hort were among the horticulturists who spearheaded and fortified the movement for the improvement of white irises.

Real progress in the white color class was tardy. This tardiness could have been occasioned by the lack of intense interest in the whites, the scarcity of suitable breeding stock or a combination of both. A few breeders discontinued their hybridizing for white irises because it was their honest belief that they could see little chance of securing results noticeably better than varieties already in existence.

Iris fanciers appeared to be completely content and satisfied with such varieties as ALBA SUPERBA, CATHEDRAL DOME, CRYSTAL BEAUTY, GUDRUN, MOUNT WASHINGTON, PURISSIMA, SIERRA SNOW, SNOW CARNIVAL and SNOWKING—all outstanding irises in their day. PURISSIMA, in its home state of California, held its own and far outclassed many more recent introductions. This iris was introduced around 1927.

Hardiness was a serious problem and one reason was obviously due to the overdose of *I. mesopotamica* blood. Breeders who broke away from *I. mesopotamica* found that tenderness ceased to be a serious problem.

This tenderness could probably be traced back to MISS WILMOTT and KASHMIR WHITE. These two irises of unknown parentage were discovered by Sir Michael Foster among his seedlings and were later to enter into the parentages of the new race of whites. MISS WILMOTT was introduced in 1909 and KASHMIR WHITE in 1913. From an analysis of pedigrees, however, *I. cypriana* and *I. pallida* could have entered into their pedigree.

As the years rolled by, Miss Grace Sturtevant, Arthur John Bliss, Sydney B. Mitchell and William Mohr appeared on the horizon and the march of the whites was on. It was a slow creative process. Mr. Bliss, by the way, was one of the first known hybridizers to formulate accurate breeding records.

A vast improvement was made in the advancement for white irises when William Mohr originated ARGENTINA (CATERINA X *I. mesopotamica*). Crossed with CONQUISTADOR (JUNIATA X *I. mesopotamica*) he obtained PURISSIMA.

Miss Clara Rees crossed PURISSIMA with THAIS (parentage unknown) and obtained the famous SNOW FLURRY. SNOW FLURRY and PURISSIMA had an enormous influence in the whites which we now enjoy. An examination of the parentage of SNOW FLURRY leads us immediately to the origin of practically all of the large-flowered, tall bearded whites. Parents in the

background of SNOW FLURRY, in addition to PURISSIMA and THAIS, are ARGENTINA, CONQUISTADOR, CATERINA, KASHMIR WHITE, JUNIATA, *I. mesopotamica*, *I. cypriana* and *I. pallida*.

There is very little resemblance between present-day imposing whites and the early ones of yesteryear. Purity of color and design have been drastically improved and many embellishments and enrichments have been added.

As far as color is concerned, the newer white irises are essentially immaculate in their chaste whiteness. As far as design is concerned, there have been great improvements and marked progress. The flowers are larger, substance is heavier and the blossoms are inclined to have broader falls. Sturdier stems are better branched and there are more buds. The falls have a graceful lilt and have been lifted to such an extent that they are now semi-flared and horizontally-flared—some resembling a butterfly in flight. We have added ruffles, lace and differently colored, bushier beards. We have added hardiness, hybrid vigor and attractive blue-green and disease-resistant foliage.

A person interested in raising seedlings should develop the desire and ability to create and should acquire the quality of persistence. He should have an eye for rigid selection and should have the fervent ambition to do something no one has ever done or been able to do before. Regardless of any success obtained, he should not be completely satisfied.

In my breeding program, I have used both line breeding and outcrossing, the latter to closely related subjects, not widely removed, in order to intensify special traits. Concentrating on the assumption that small faults become big ones if they exist in both parents, the apparent defects that are obvious in both parents are closely watched. A simple fundamental can be tersely phrased in terms of our own personal heredity. We inherit equally from each parent. Seldom or never do we inherit equally from our four grandparents.

Two of the qualities iris breeders should attempt to create, preserve and improve are the physical one of robustness and the aesthetic one of beauty. A poor doer will disappear from the scene and an iris without the elusive quality of beauty will stand unnoticed. As in every other art, skill and technique are desirable qualities. A breeder should make every attempt to create a style of his own. We all have our likes and dislikes and it's a blessing that we do, since no two individuals can express their own personal ideas of honest beauty in identical terms.

Three major requirements influenced the selection of parents for a better white . . . quality of form, quantity of substance and purity of color. SPANISH PEAKS was one of the better whites at the time, so I crossed it with a white seedling obtained from a cross involving HELEN MCKENZIE X JANE PHILIPS. MARION MARLOWE, a wide, ruffled white, resulted from this mating. MARION MARLOWE, in turn, was used as the pollen parent on CLIFFS OF DOVER. A large number of seedlings were raised from this cross; several were numbered for observation and one was registered HENRY SHAW—in honor of the founder of the Missouri Botanical "Shaw's" Garden.

All seedlings were white with one exception—a moderately ruffled medium blue which when bred with a white seedling (LADY ILSE X BARTOW LAMMERT) produced the semi-flared, ruffled and flax-blue AIR DE BALLET.

This same HENRY SHAW sib, when crossed with AIRY CHARM by Dr. Charles E. Branch, produced the medium ruffled blue, BLUE BALLAD.

HENRY SHAW, then, "sparked" the beginning of a white program that continues to be rich in surprises. This iris also appears profusely in the blue line. The parentage (CLIFFS OF DOVER X MARION MARLOWE) would bear examination.

CLIFFS OF DOVER stems from NEW SNOW X CAHOKIA. NEW SNOW comes from SNOW FLURRY X KATHERINE FAY and CAHOKIA was evolved from two seedlings involving PURISSIMA, SANTA BARBARA and SANTA CLARA. Additional parents are GLORIOLE, SOUV. DE LOETITA MICHAUD, QUEEN CATERINA, RICARDI (a form of *I. mesopotamica*), CORRIDA, QUEEN OF MAY, CATERINA, *I. cypriana* and *I. pallida*.

MARION MARLOWE has parentage of SPANISH PEAKS X (HELEN MCKENZIE X JANE PHILLIPS). SPANISH PEAKS arrived from PURISSIMA X (DOMINION WHITE SDLG X SDLG); HELEN MCKENZIE from FRANCONIA X MT. JEFFERSON and JANE PHILLIPS from HELEN MCGREGOR X (PALE MOONLIGHT X GREAT LAKES). Additional parents are ARGENTINA, CONQUISTADOR, ALBA MONTE, SNOWKING, SNOW CARNIVAL, CLOUD CASTLE, CATERINA, MARIAN MOHR, CALIFORNIA BLUE, DOMINION, JUNIATA and *I. mesopotamica*.

At this point, it becomes glaringly apparent that quite a few individuals had a part in producing the ruffled HENRY SHAW. The list includes:

Mr. Orville W. Fay	Sir Michael Foster	Mr. Sydney B. Mitchell
Mr. Arthur J. Bliss	Miss Eva Faught	Mr. William Mohr
Mr. L. W. Cousins	Mr. L. Merton Gage	Miss Clara B. Rees
Mrs. Wm. R. Dykes	Dr. Robert J. Graves	Mr. John Salter
Prof. Edward O. Essig	Dr. Philip A. Loomis	Mr. Hans P. Sass
Mr. Bertrand H. Farr	Mon. Millet & Sons	Miss Grace Sturtevant
		Mr. Edward Watkins

Paul Cook advised me to use his DISTANCE for the purpose of subduing the haft markings on blues and whites. Therefore, I crossed TOSCA, a ruffled medium blue, with DISTANCE. This cross resulted in STARLIFT, ruffled medium blue, which I thought was a vast improvement over TOSCA, being larger, with cleaner and wider hafts; just about as ruffled, but a bit more attractive.

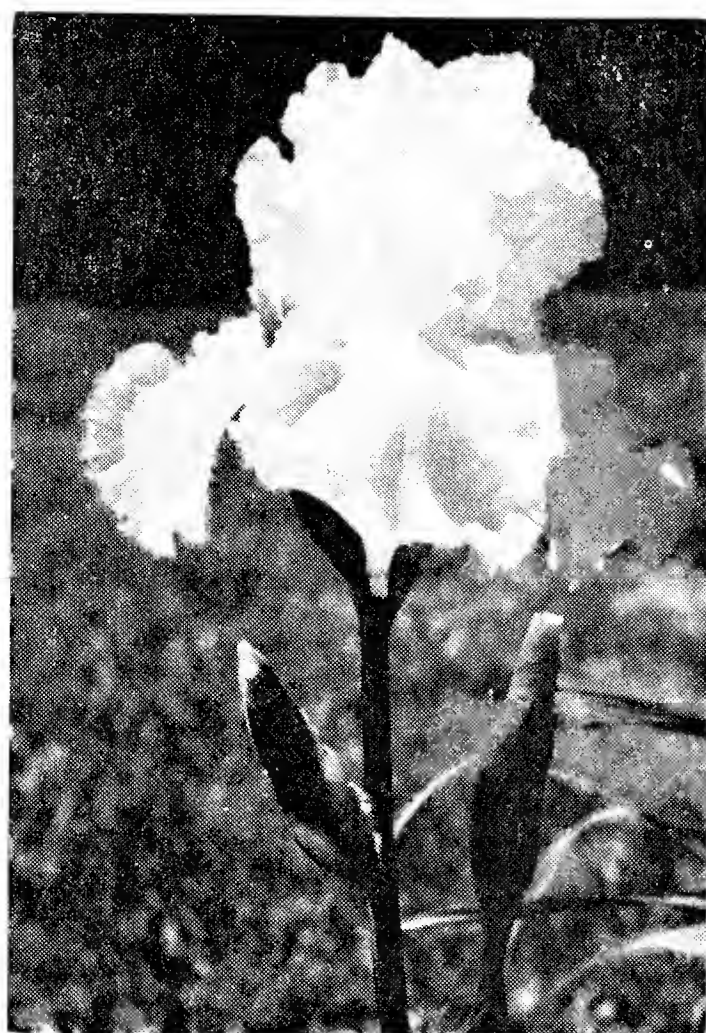
STARLIFT was used as the pollen parent on a ruffled blue seedling involving JANE PHILLIPS, SPANISH PEAKS and CLOUDLESS SKY. This cross resulted in HELEN TRAUBEL and VAN CLIBURN.

HENRY SHAW X HELEN TRAUBEL produced many attractive white and blue seedlings—the greater portion being white. I vividly remember the difficulty experienced in roguing these seedlings for they were quite nice. I finally settled on a white one that appeared to be the finest of the lot. It was chaste in appearance, possessed wide, clean hafts, semi-flared falls and had withstood several heavy rains. It was numbered, observed and eventually registered ARCTIC FURY.

VAN CLIBURN, in turn, used as a parent with seedlings involving SPANISH PEAKS, CLOUDLESS SKY, TOSCA, CHIVALRY and SNOW FLURRY, produced seedling #64-34, a very broad and heavily ruffled white being currently readied for possible registration. In addition, VAN CLIBURN, used as the



C. Benson 66-44
SILENT SNOW



C. Benson 66-53
(HENRY SHAW X SKYWATCH)



C. Benson 67-33A
(ARCTIC FURY X SKYWATCH)



C. Benson 64-34

pollen parent on a ruffled blue seedling involving SPANISH PEAKS, CLOUDLESS SKY and HENRY SHAW produced SKYWATCH.

SKYWATCH was used as the pollen parent with a seedling involving MARION MARLOWE, SEALARK, SNOW FLURRY and CLIFFS OF DOVER. The result was a long row of attractive whites and pale blues. My choice was a broad, beautifully shaped semi-flared white with an abundance of desirable qualities. This iris has been registered SILENT SNOW.

HENRY SHAW, STARLIFT and VAN CLIBURN appear in the parentage of still another attractive white—ICE BOUND. This iris is distinct in appearance; ruffled, broad and snowy white.

Upon my return to St. Louis from the Newark convention in June, 1966, I found the seedling patch still heavy with bloom. One white one, a cross of HENRY SHAW X SKYWATCH, resembled a lumber yard in appearance in that a dozen or so wired wooden tags were attached to the stalk, expressing approval by visitors. This seedling inherited the good qualities of each parent and can best be described as being a white SKYWATCH with a Chanel #5-like odor. It was numbered 66-53.

The 1967 seedling patch produced an appreciable number of whites that warranted numbering for further observation. One, in particular—#67-33A—was large, had white beards, semi-flared falls and was abundantly ample in width and ruffles. The stiff stem was superbly branched with ten blossoms.

We have covered a great deal of territory since the few early white irises came into existence. We have now become so accustomed to having a garden with stately and crystal-pure irises that it is difficult for us to realize that not too very long ago, there were almost no white irises available.

All told—our breeders are quite serious in their work and have made the white iris a very beautiful flower, flawless and immaculate in appearance and a vision of serene loveliness.

The Influence of Snow Flurry on Modern Day Whites

LES PETERSON

The new comes in and the old goes out. So it is with all things—irises are no exception. As we acquire newer and better varieties we must of necessity discard the older ones; our garden space cannot accommodate all. However, we all seem to have a few favorites that hold a cherished spot within our hearts and, consequently, a sort of special set-a-side spot in our gardens.

One of these personal favorites could well be—and should be—the lovely white iris SNOW FLURRY. It can perhaps be thought of as a Senior Citizen, but definitely a most important—a most distinguished S. C. Brought into being about forty years ago by that skilled hybridizer Clara Rees, it has gone on to become a renowned and highly-valued maternal parent and ancestor. Perhaps we could liken this matron of many, many children to the little old lady who lived in a shoe if it were not that our remembrance of

this Mother Goose rhyme tells us that the little shoe lady “spanked her kids soundly and sent them to bed”, whereas this kindly iris mother has blessed and sent her children out into the far corners of the iris world to adorn and glorify countless gardens. Let’s pause a moment to consider what our iris gardens would be without such white beauties as these. SWAN BALLE—HENRY SHAW—ARCTIC FURY—CHRISTMAS ANGEL—PATRICIA CRAIG—BILLOWING SAILS—SNOW GODDESS—ARCTIC FLAME—GOODNESS—POET’S DREAM—IRISH LINEN—PIETY—WHITE PRIDE—CELESTIAL SNOW—FROST AND FLAME—CURL’D CLOUD—FLUTED HAVEN—WINTER OLYMPICS.

True, all good white irises have not stemmed from SNOW FLURRY; however, the pedigrees of the majority seem to trace or lead in this direction or beyond to PURISSIMA, the maternal forebearer or prior source of that capable mistress SNOW FLURRY. There is a thin line between progress and success—a fine thread between advancement and perfection. The influence of SNOW FLURRY seems definitely to be that impelling force necessary to strengthen that line—that thread that enables the offspring to gratify—to receive praise—to win top local and national awards and high listings or positions on symposium charts. Let’s review the preceding list again, each variety separately, to determine or ascertain the correctness of the foregoing claim.

SWAN BALLE—A fine accomplishment of Tell Muhlestein. Available records indicate this iris came from PURISSIMA through SPANISH PEAKS, rather than from SNOW FLURRY. Graceful as a swan—graceful as a ballet dancer, this beautiful white iris stepped into the limelight with an AM in 1957 and quickly went on to receive the coveted Dykes Medal in 1959. It was the winner of the Primio Firenze at Florence, Italy, in 1958. This iris has placed high on the Popularity Poll each year since 1960. SWAN BALLE holds the honor—the distinction—of being the first white iris to win the Dykes.

HENRY SHAW—An excellent contribution to the whites from Cliff Benson. Here is a superb white with unusual personality, derived from SNOW FLURRY through NEW SNOW and on up through CLIFFS OF DOVER. PURISSIMA is also involved here through the use of CAHOKIA. Its winnings include an AM in 1961, and winner of the Clara B. Rees Cup (Best White of Year) in 1965. Runner-up for Dykes Medal—Third Place 1963 and 1964. Second Place 1965—Third Place again 1966. Positioned well on Popularity Poll from 1963 on.

ARCTIC FURY—Another real pleasure by that capable hybridizer Benson. This wide white is like the white beauty of the snowy vastness of the far north. Coming from HENRY SHAW, it extends the influence of SNOW FLURRY into another generation. HELEN TRAUBEL, the other parent, involves SPANISH PEAKS and HELEN MCGREGOR, both descendants of PURISSIMA. Received an AM in 1967 and Fourth Place Runner-up Clara B. Rees Cup 1966 and 1967.

CHRISTMAS ANGEL—An exciting white iris from the efforts of the late Fred DeForest. Very pleasing and nice white. With this pedigree (FRANCES KENT X PARADISE PINK) X Hall’s 54-62 (SWEET REFRAIN X 52-13), copied from Tell’s 1964 catalog, it’s doubtful if any SNOW FLURRY influence exists here. It is possible there just might be a tiny trace of PURISSIMA in an earlier cross. Nevertheless, this iris has earned an AM in 1965 and has

placed on the Popularity Poll 1966 and 1967. It might be well to follow the course of this praiseworthy white iris.

PATRICIA CRAIG—An alluring white iris from Tom Craig. Its ruffled whiteness and beauty will fascinate you. From a line of Craig introductions (**FRIEDA'S FAVORITE**—**CLEAN SWEEP**—**SLEIGHRIDE**) that date back to **PURISSIMA**, it looks as if we have by-passed **SNOW FLURRY** again. It appears the award of this iris is an HM only in 1963, but let's watch it.

BILLOWING SAILS—A large well-formed and beautiful white iris from Dorothy Palmer, it has everything a good iris should possess. Coming from **HENRY SHAW** brings back our **SNOW FLURRY** prestige. Its awards include an HM in 1964, and Runner-up Judges' Choice 1965. Not many awards so far, but another white iris to follow.

SNOW GODDESS—A real quality white iris from Joseph Becherer. A direct descendant of **SNOW FLURRY**. Received an AM in 1959. Has placed well on Popularity Poll every year since 1959.

ARCTIC FLAME—A stunning white iris from a master hybridizer, Orville Fay. Beauty at its very best. Gets its **SNOW FLURRY** authority through **LIPSTICK**—another Fay introduction. Its achievements are an AM in 1962. Nice spot on Popularity Poll 1961 through 1966.

GOODNESS—A real goodness in white from Sanford Babson. And **GOODNESS** shows it is just that in every way. Slightly arilbred, but it still possesses that **SNOW FLURRY** domination through **REHOBETH**. It has to its credit a Second Place Runner-up for an AM in 1965, a First Place Runner-up 1966 and an AM in 1967.

IRISH LINEN—A much desired white, again from Orville Fay, and proving rightly so. **SNOW FLURRY** influence through **CLIFFS OF DOVER** and **NEW SNOW**. It is deserving of and received First Place Runner-up for AM in 1960—and the AM in 1963.

POET'S DREAM—And indeed a dream of a white iris from that talented iris lady, Opal Brown. A garden treasure. Power of **SNOW FLURRY** inherited from **REHOBETH**. An AM in 1960. Popularity Poll listing 1961 through 1964.

PIETY—A very worthy white iris brought into existence by Dr. Charles E. Branch. It is bewitching, and influenced by **SNOW FLURRY** through **SNOW GODDESS**. These awards are its reward because of its worthiness. Judges' Choice 1961—AM in 1963—Third Place Runner-up Clara B. Rees Cup 1966—Second Place 1967. Positioned nicely on Popularity Poll 1965—1966—1967.

WHITE PRIDE—Another splendid white iris from Dr. Branch. Destined to go places and is doing so. **SNOW FLURRY** influence through **CLIFFS OF DOVER**. Its awards are Runner-up for an AM in 1965—and again in 1967. Third Place Runner-up Clara B. Rees Cup 1967.

CELESTIAL SNOW—A heavenly white creation by Bro. Charles Rechamp. It is excellent; it is perfection. Direct progeny of **SNOW FLURRY X CELESTIAL BLUE** (it from involvement of **CAHOKIA** and **PURISSIMA**). Very nice array of awards consists of an AM in 1959, Third Place Runner-up for the Dykes Medal 1961, and again in 1964. Second Place Runner-up for Clara B. Rees Cup 1965, and First Place Runner-up for this Cup 1966 and 1967. Popularity Poll position high from 1961 on. Sixth spot Judges' Choice 1963.

FROST AND FLAME—A grand white iris by that Grand Old Gentleman,

David Hall. Finest in every way is this white iris with red beard (such bright beards appeared in the whites with the use of pinks—and possibly yellows with such beards. They give zest, fire and brilliancy to the whites.) Presumptively, Hall's numbered seedlings, 52-41 x 52-02, were used. Information on SNOW FLURRY involvement lacking, but in all probability the influence is there. Among its accomplishments is an AM in 1959. Positioned very high on Popularity Poll from 1958 on.

CURL'D CLOUD—Abounding in personality is this neatly finished white from that gifted hybridizer, Georgia Hinkle. An iris with irresistible charm. NEW SNOW brings SNOW FLURRY power and prestige into the picture. An AM in 1961. Listed Fourth Place Judges' Choice 1960. Popularity Poll listing 1961 through 1965.

FLUTED HAVEN—A delightfully charming white iris from Mrs. Leo F. (Serlena) Reynolds. One of the very nicest ruffled and fluted whites. The influence plus of SNOW FLURRY is surely in evidence here. Third at Florence, Italy 1960. An AM in 1962. Fourth Place Runner-up for the Dykes Medal 1965 and 1966. Third Place Runner-up Clara B. Rees Cup 1965, Second Place Runner-up 1966, and Winner of Cup 1967. Well placed on Popularity Poll 1963 through 1967.

WINTER OLYMPICS—Another magnificent white from competent Opal Brown. As filled with pleasure and excitement as the sports event from whence comes its name. SNOW FLURRY influential weight carries through from POET'S DREAM, its maternal parent. Clara B. Rees Cup 1966. Winner Dykes Medal 1967. Number one spot Judges' Choice 1964-1965. High position on Popularity Poll 1965 on. WINTER OLYMPICS is the second white iris to achieve the Dykes Medal, but likely won't be the last. Winners and Runners-up for the Rees Cup indicate the whites are fast coming into line for the Top Award and from now on will undoubtedly give the other color classes a run for their Dykes.

Following is a partial list of a few newcomers that show promise; some of them are already on their ways to prominence. All except the first one have that SNOW FLURRY influence—authority—power or whatever we might choose to call it. It will be well to see and determine how this trait continues to exert itself from generation to generation as we leave it farther in the background.

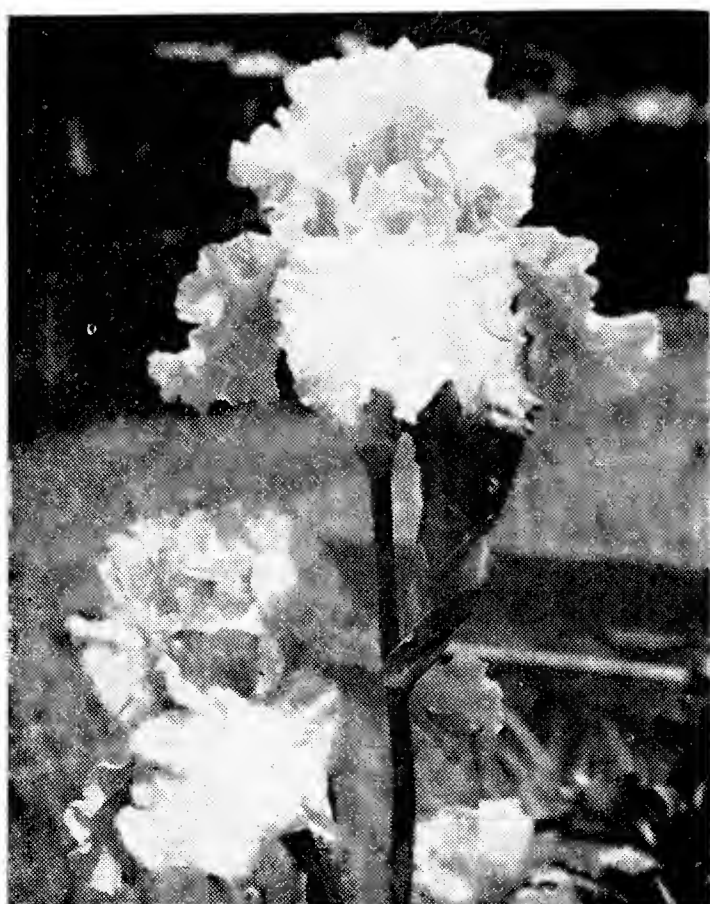
ABOVE ALL (Gordon)—CHRISTMAS TIME (Schreiners)—CUP RACE (Buttrick)—FIRST COURTSHIP (Ghio)—FROSTED STARLIGHT (Ghio)—HIGH SIERRA (Gaulter)—PIKE'S PEAK (Foster)—SILVER WEDDING (R. Brown)—WHITE KING (Knopf)—WHITE TAFFETA (Rudolph)—WINTER SONG (Dubes-Young).

Collectively, for those of us who have a strong admiration for the whites, here is a group unparalleled in refinement—individuality—distinctiveness and personality to fully satisfy the demands of the most discriminating fanciers. Singularly, each of these white irises amply possess or display these fine qualities—in other words, each has "IT".

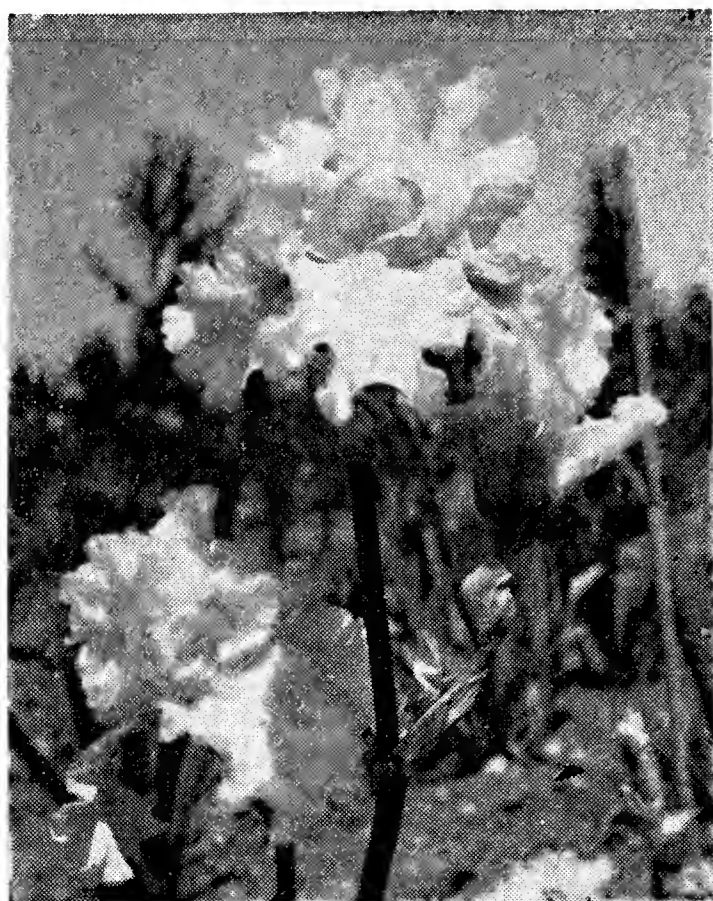
Quite likely, in the near or not too distant future some one of us will come upon another fabulous iris to give us still better irises for the adornment and beautification of our gardens. But, until then, we owe our salute to SNOW FLURRY—our heartfelt thanks to this gracious Queen of the Iris Kingdom.

MY WHITE WANT LIST

LARRY HARDER



SKYWATCH
(C. Benson '63)



CROWNING TOUCH
(R. Brown '67)

Complimenting and bringing out the wonderful coloration of our blue irises are the white varieties. With Opal Brown's beautiful WINTER OLYMPICS '63 winning the Dykes Medal, the white irises were brought into the foreground in the iris world.

Hybridizers have been busy adding new and beautiful white irises to our gardens. Each year I find one or two new ones that I must get. This year it was ALASKAN CROWN (J. NELSON '66) and Hilda Fail's WHITE FLUTTER '66. Ones that no one must bypass from getting for their gardens are ARCTIC FURY (C. Benson '64), WHITE TAFFETA (Rudolph '66), CRYSTAL FLAME (B. Jones '67), WHITE DRAPES (Wallace '64) and DANCING BRIDE (Rudolph '63).

You probably would like to know why I recommend the above mentioned irises. Here is why!

WINTER OLYMPICS was the most outstanding white iris that I saw at the Denver Convention in 1963. In fact, it was one of the most outstanding irises I saw that year. A huge clump of this white iris is a thrilling sight to behold. Each flower is perfection in itself, and the branching and bloom placement is ideal. I found that it needed a season in our climate in Nebraska before it was adjusted to the rigors our winters and summers inflict upon irises; but after that first year, it has been blooming each year and increase has been good.

ALASKAN CROWN was seen in Betty and Ira Wood's beautiful garden on the Newark convention tour. After I had gotten back home, we started

west on a trip and I saw it at its home garden in Couer de Alene, Idaho. Again I saw it at this year's national meeting in Denver. Now I've added it to my iris collection as one of the finest whites, with a light yellow haft and a bright yellow beard to match. Fluting at the edges of the falls, and ruffled standards that arch and dome nicely and stay closed, all add up to a very beautiful iris.

Another iris of similar coloration is WHITE TAFFETA. The hafts and beard a deeper yellow, and the white a startling contrast, make this a must-have for the iris patch.

Red bearded whites are appearing regularly on the market. Newer additions that I especially find appealing are Schreiner's CHRISTMAS TIME '65, Bennett Jones' CRYSTAL FLAME '67 and Nate Rudolph's CRYSTAL BLAZE '67. Each is almost the same color. Substance and flower form vary a great deal, giving each a definite appeal that makes you want all of them for your garden.

Orville Fay's ARCTIC FLAME was one of the parents of all of the previously named white irises with a red beard, and it has passed on many of its appealing characteristics. CHRISTMAS TIME is a full-bodied lacy-looking affair with fair branching and length of bloom season; CRYSTAL FLAME, when it was under its seedling number, was my favorite of all the seedlings that I saw at the Newark convention in 1966. It is a white iris that has a hint of blue showing in the color, a big wide red (not tangerine) beard, and show-stalk branching and lots of flower buds. Nate Rudolph's CRYSTAL BLAZE is a fluted and ruffled white iris with a red beard; flaring form plus its ruffles makes it a must-have. We are going to have a hard time remembering which of the two last mentioned irises belongs to what hybridizer, the names of the irises are so similar. And especially since they both came out the same year and both are so outstanding.

I've been wondering why some of these white irises with different colored beards are not getting in, at least, as runners-up for the Clara B. Rees Cup Award?

Nathan Rudolph put out DANCING BRIDE in 1963 as his first introduction in this color class. DANCING BRIDE is a soft white with a very soft cream beard and shoulder epaulets. Just the right amount of ruffling adds to the attractiveness of the form of this iris. Everyone falls in love with this variety when seen and when it is performing at its best.

One white iris that has been overlooked, or maybe not seen as often in different gardens, is Wallace's WHITE DRAPES (1964). This is one of those garden irises we all like. It increases well, performs every year, and doesn't give us any bother. Add it to your collection and I think you will agree.

Clifford Benson's ARCTIC FURY '64 has the roundest and widest fall of any of the new white irises. The domed standards are as full as the falls so adds its effect to the flower form. This sometimes is a little bunched when more than three flowers are open because spacing of the branches is not entirely adequate.

WHITE FLUTTER (Fail '66) was one of the white irises at the Denver Convention 1967 that appealed to me. It is not an extremely tall variety, but the flower has a refinement of form and a satiny smooth finish that no one can bypass. I have heard remarks that it was one of the finest white irises that was in bloom at the convention.

When I visited Alta Brown's garden at Kirkland, Washington, in 1966, I discovered two white irises that are "must-haves" for our gardens. SILVER WEDDING which was being introduced that year was simply gorgeous. I had never seen a more intensely ruffled and fluted white iris until I spotted seedling 61-12, since named CROWNING TOUCH. Here was another white iris that was extremely beautiful. It had the added quality of having better branching than SILVER WEDDING. But neither of these two irises should be overlooked if you wish to grow some of the outstanding new white irises.

But one cannot always afford to add these expensive \$15., \$20., \$25. irises to our gardens. Then is when I start looking at irises that are in a price range that fits my budget. I will never give up growing for a long time the beautiful CELESTIAL SNOW that Bro. Charles gave us in 1957. It is a tall variety, and the blooms are mostly at the top of the stem, but the individual flower has not been surpassed by many of the new introductions.

HENRY SHAW (C. Benson 1959) is another white iris that has grown beautifully in my garden. The form of this variety is evident in many of Cliff Benson's later introductions. Dorothy Palmer has used it also and has produced some lovely things. GOLDEN SNOW I have seen in several gardens at conventions, and is one I would like to grow. One would need to be a little careful of placement of this variety in our gardens. A little protection will keep up the beauty of the variety longer.

Serlena Reynolds has given us the lovely variety FLUTED HAVEN. Steve Varner introduced his BILL NORMAN. Joe Ghio produced NINA'S DELIGHT, and Stedman Buttrick, CUP RACE. Try one of these. All are lovely.

Already I am waiting to visit gardens that have some of the newest white irises in them. Some have not been introduced yet, but I have been keeping a sharp eye peeled for Larry Gaulter's HIGH SIERRA, Neva Sexton's FIRST SNOW, Dorothy Palmer's WINTER PAGEANT, Clifford Benson's SILENT SNOW, Luella Noyd's ROSES IN SNOW, Maynard Knopf's WHITE KING, Joe Ghio's MEDITATE and Rosa Belle Van Valkenburgh's CHARLOTTE SAWYER. These are the future white irises that will grace our gardens.

GOOD PARENTS

GEORGE W. WARNER

In attempting to come to grips with a successful hybridizing program, and find out what I could do to improve my program, I began a study of the pedigrees found in the registrations and introductions of established hybridizers who had, in some measure, gained a reputation of producing good irises. These I consider to be among the "upper classmen" on the field of hybridizing. I searched the records of 1961, 1962, 1963 and 1964.

In my study I found that a number of the old varieties were appearing in the great majority of the crosses of our most reliable hybridizers. In the tall bearded, I found that the following varieties appear frequently (not in the order listed): AZURE SKIES, BALLERINA, BLACK TAFFETA, BLUE SAPPHIRE, CAHOKIA, CINNAMON TOAST, CHANTILLY, CHERIE, CHIVALRY, CLIFFS OF DOVER, CLOUD CAP, CLOUD CASTLE, DISTANCE, DOTTED SWISS, DR. WANLASS, FIRST VIOLET, FLEETA, FRANCES KENT, FROST AND FLAME, GREAT LAKES, HAPPY BIRTHDAY, HARBOR BLUE, INCA CHIEF, JANE

PHILLIPS, JUNE BRIDE, JUNE MEREDITH, LIPSTICK, LIMELIGHT, MARY RANDALL, MAY HALL, MELODRAMA, MYSTIC MELODY, NATIVE DANCER, NEW SNOW, OLYMPIC TORCH, PALOMINO, PARADISE PINK, PIERRE MENARD, PINK ENCHANTMENT, PINK FULFILLMENT, PINK FORMAL, PINK SENSATION, PINNACLE, QUEEN'S LACE, REHOBETH, SNOW FLURRY, SONG OF SONGS, SOUTH PACIFIC, SPANISH PEAKS, SPRING FESTIVAL, SWAN BALLET, TEMPLE BELLS, TOP FLIGHT, TRULY YOURS and WHOLE CLOTH, among others.

If you are among the interested hybridizers in reds, you might consider the fact that many of the new reds are from CORDOVAN, RANGER, REDWARD, TECHNICOLOR, GARDEN GLORY, ORELIO, RUTH COUFFER, QUECHEE, DEFIANCE, BANG and TRIM.

In the plicatas there are few of the "new crop introductions" appearing in pedigrees, as the old-line seedlings of Sass and others figure prominently in their pedigrees. The one exception to this seems to be the crosses of Jim Gibson's plicatas.

It seems to me that these old-timers, and others I have not mentioned, have the ability to produce seedlings of rather high quality. For one who is interested in hybridizing, and to me this is the ultimate joy of raising irises, it seems to me that serious consideration should be given to retaining in the garden these irises which year after year have consistently appeared in the pedigrees of our better irises and which have produced reliably good hybridizing results.

MOUNT CLARE IRIS GARDENS

3036 N. Narragansett Ave.

Chicago, Illinois 60634

Since 1941 Home of the Aril Iris of the Great Lakes Region

1966 INTRODUCTION

BIG BLACK BUMBLEBEE. Arilbred, 24", E-M, Sdlg. 65-4. S. deep amethyst-pink, veined dark mulberry; F. similar but darker; beard bronze. Black signal. Thesus X Wo 1 Sdlg. (C. White). Here we have an arilbred that has as clear a signal as any pure onco. The name was given because from a distance the signal looks like a large bumblebee sitting on the falls. It is extremely hardy and easy to grow. Does not go dormant and increases rapidly.

Was withheld from sale in 1967 because it was sold out in '66 but is again offered for sale at the same low price as of 1966. H.M. 1967 \$20.00.

Aril Slides

We have two slide collections of 150 slides in each of pure arils and aril-breds taken in our garden during 1963 to 1967. These may be had free to any person who wants to show them to a flower club or social gathering interested in aril irises. A thirty day notice must be given to assure them for a certain date.

SEND FOR CIRCULAR for other Arils and Arilbred irises

HENRY DANIELSON

Visitors Always Welcome

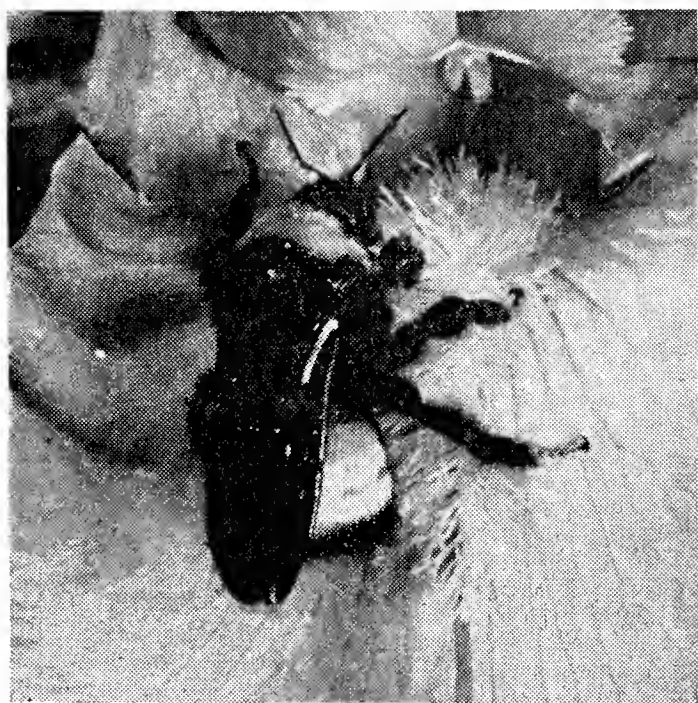
THAT TINY BROWN SPECK

CLIFFORD W. BENSON

Creating new irises is an exciting experience. It is, indeed, likened to the preparation of fine food. The finest ingredients are brought together and "cooked with care." A beautiful iris should be like a fine meal—easy on the eye, nourishing and satisfying. Not only can the results be satisfying and fascinating but baffling as well!

A knowledge of genetics is helpful. It is advisable to know the parentage of the basic two parents for 4-5 generations. But, we won't delve into the study of genetics—this subject has been adequately chronicled in past BULLETINS and our book—GARDEN IRISES.

A hundred years ago, Gregor Mendel, the Austrian monk, was challenged by the peas in his monastery garden. In our time, countless numbers of AIS members are equally challenged—by irises. The challenge to grow something different or to create new varieties is one that is endlessly stimulating and rewarding. Watching for the first blooms from one's own seedlings provides a thrill quite unequaled by any other gardening experience.



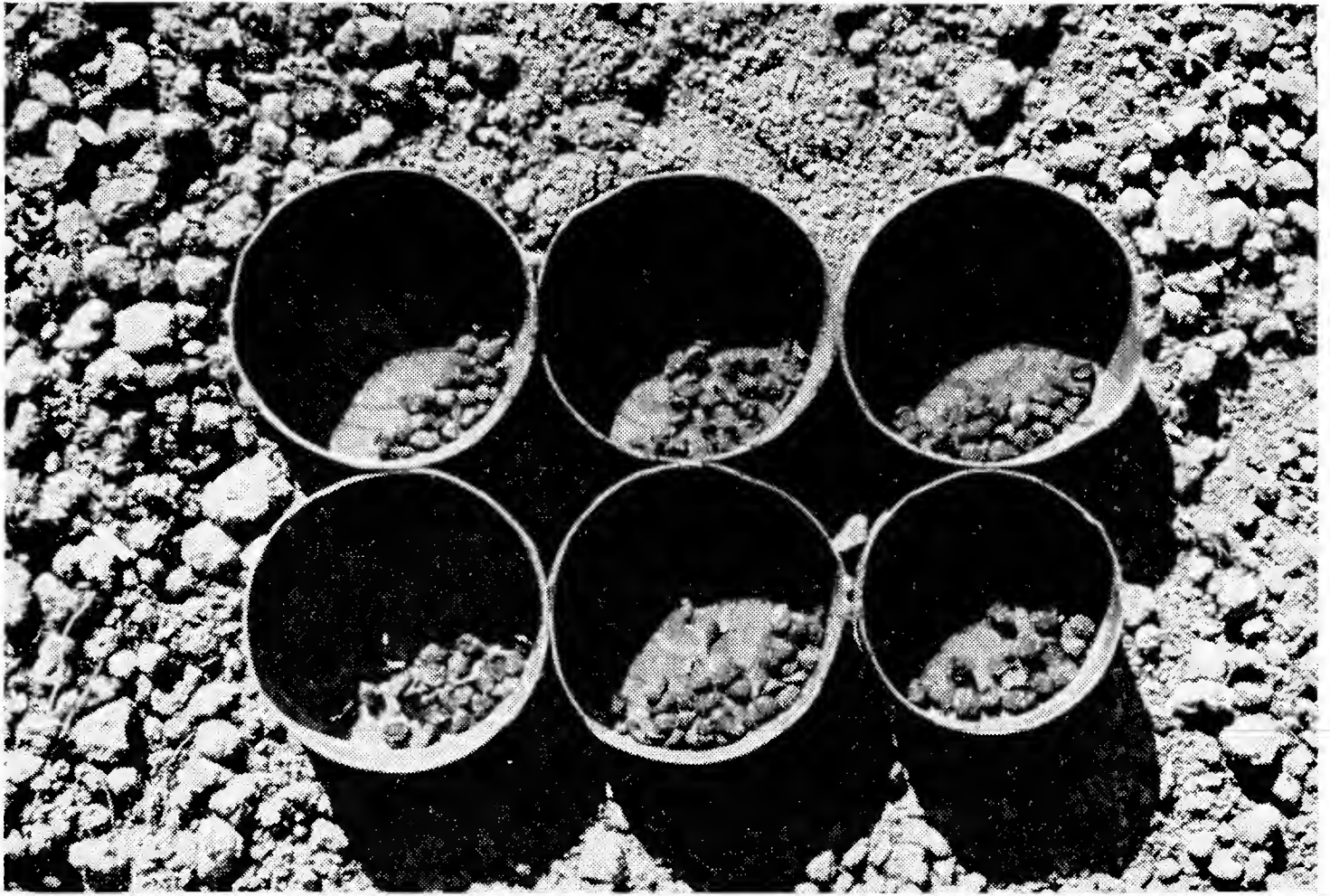
Some Unwanted Help
in Hybridizing.



Seed Pods in August.

In 1967, the AIS's REGISTRATIONS AND INTRODUCTIONS was brimming over with over 550 new irises which were registered with the AIS registrar. Where did these brand new irises come from? How did they come into being? Practically all were the end result of the tireless efforts of amateur hybridizers the world over and most of the major horticultural divisions were included.

How do you plant the tiny brown speck that we call an iris seed? There are several acceptable methods. Many prefer to plant their seeds in slightly raised beds in the open garden. Others prefer to plant their seeds in hot-beds heated with manure or electric cables (usually lead or plastic covered wire.) Still others prefer to plant their seeds in flats, boxes, flowerpots and tin cans of various sizes. No matter what method is used, excellent drainage



Seeds in Containers in October.

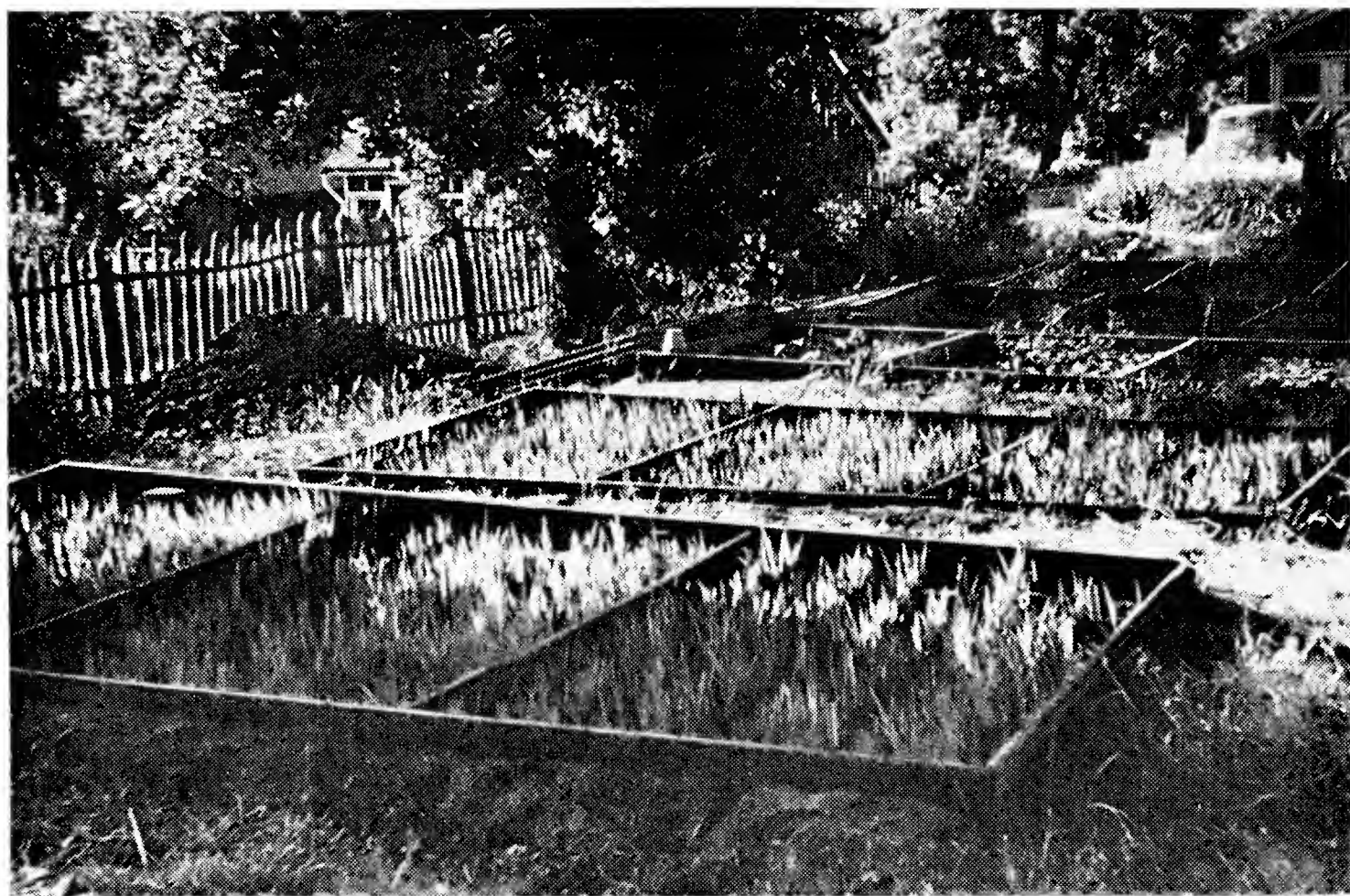
must be provided.

I prefer to plant seeds in coldframes. At the time I constructed my coldframes, pecky cypress was not available so I settled for California redwood. Through the years, it has admirably served my purpose. Aluminum nails were used; all corners were braced and linseed oil was applied to the wood as a preservative. Otherwise, the frames were not painted. They face south in full sun.

Soil in frames should be carefully prepared. It should be loose and friable. Each frame should receive an ample supply of rich loam and well-rotted compost. In addition, a liberal quantity of peat moss is incorporated and either vermiculite or sand—all meritorious aids for loosening soil and stimulating root growth.

A pleasant and convenient time to plant seeds in the St. Louis area is in the month of October—too late to have them germinate the same year and still early enough for warm weather to be around. November, at times, can be a nasty month in which to be planting iris seeds. I never plant freshly harvested seed.

Two or three days prior to planting the seeds, the soil in each frame is forked under and well mixed, raked and pulverized as thoroughly as possible. The waiting period is primarily for the purpose of allowing the soil to settle. The seeds are planted quite close together—nearly touching—one inch deep in trowel-made rows four inches apart. Each row is marked at planting time with a suitable label with cross number and parentage. Later, this label follows the plants from the frames out into the field. Precise record-keeping is essential in scientific plant breeding—just as important as in breeding race horses.



Young Plants in Cold Frames in April.

After the seeds have been planted, the rows covered and lightly tamped down, steps are taken to prevent the rains from packing the top of the soil. Rain-tamped soil will prevent the young seedlings from emerging in the spring.

Prairie hay (identified in some quarters as marsh or salt hay) is excellent as a covering for the soil in the frames; a layer of 3-4 inches is adequate. After the hay has been put down, each frame is well watered. From then on, the soil is kept moist—only moist—not overly wet. Too much moisture will rot the seeds. In addition, and since I happen to have them, I place old screens on top of each frame. They “spray” the rains and also act as deterrents for anything or anyone ambitious enough to investigate. I have learned from experience that rabbits find unprotected seed frames suitable places for rearing families in the fall and spring months.

I have glazed sashes for each frame. The prairie hay and screens are removed about the middle of January and each frame is then covered with sash which will remain undisturbed the rest of the winter. About the latter part of March, the seeds will commence to germinate. A month’s delay in germination can be expected without glass covering.

April 1st or thereabouts—sometimes the latter part of March, depending on weather conditions—the frames will be ventilated daytimes by raising the sash an inch or two and closed again at night. Eventually the plants will be hardened off to such an extent that by the middle of April, the sash can be removed completely in daytime (weather, again, must be considered) but should be placed back on the frames at night.

In the St. Louis area, it will be the middle of May before the sash should be dispensed with completely; it should be readily available for placement in case of a weather report forecasting frost, a cold snap, heavy rains or

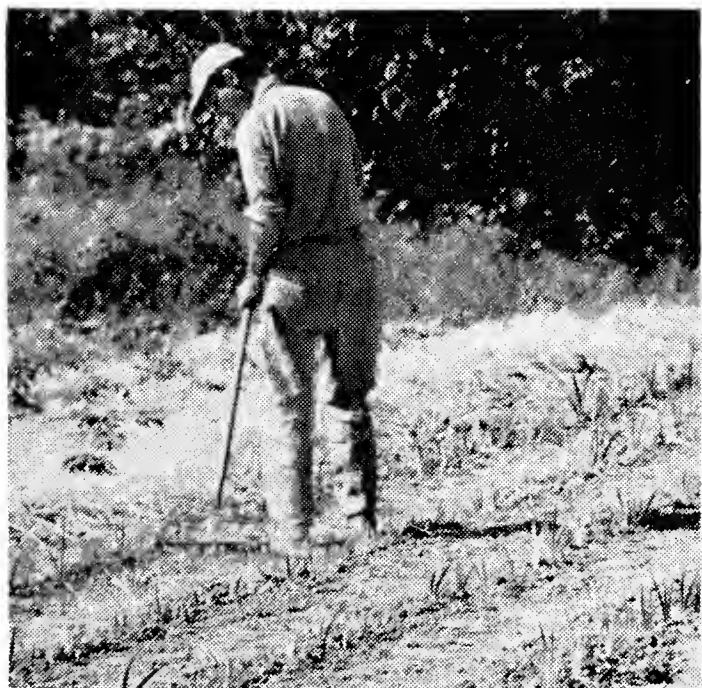
hail. If hail turns up in the forecast, the sash is completely covered with screens.

If sash is not available, the prairie hay/screen method throughout the winter months is highly successful. I had excellent results using this method for quite a few years. The big advantage in using the sash is the "head start" it gives the seedlings.

Some factors, such as the maturity of the seeds, planting procedures, depth of planting, soil friability, moisture and the like, most certainly have some influence on germination. Under favorable conditions, germination may be from 80 to 90 percent. Certain crosses don't germinate at all, whereas some consistently yield small numbers of plants in relation to the number of seeds planted. It would probably be a little too much to expect seeds to germinate 100 percent the first year. In the majority of cases they don't. If left undisturbed, however, they may germinate the following year, or later. If the frames are to be used the following year, the soil in them, with ungerminated seeds, must be replaced with fresh soil.

Seedlings should be lined out in the field (or a prepared plot in the backyard) as early as possible in the spring, weather permitting. In the St. Louis area, this is usually in early May. Early transplanting enables the young plants to take advantage of spring rains (normally plentiful in this area) and start them off in a grand manner for a long growing season. To obtain most bloom the following year, the seedlings must be kept growing vigorously. They should be under frequent cultivation and they must never lack moisture.

Since usually I am unable to transplant my seedlings from the frames to the field until after I return from the national convention, the young plants in the frames are meanwhile kept growing vigorously until I can attend to the transplanting. They are foliar-fed each week or so. Frequently, they receive, in addition, applications of liquid manure—the color of which resembles weak tea. The object: to keep the seedlings growing without letup.



Limed-out Seedlings in
May.



Seedlings in
August.

When I transplant the seedlings to the field, they have small rhizomes, in most cases about the size of a small fingernail. At this time, increase too, is sometimes in evidence.

The seedlings of each cross are transferred from the frames to the field in individual containers—boxes, cans or the like—the plants of one cross in one container, with the label with which the plants were marked in the frame. They are planted immediately. The exposed roots, before planting, are always shaded from the sun. If interruptions occur, and they frequently do, I place water-soaked newspaper or sacking material over the roots.

The field is well drained and receives full sun. The seedlings are lined out eight inches apart in 100-foot rows. The rows are spaced four feet.

After each row has been planted, the plants are thoroughly “watered in” with either Hyponex, Ra-Pid-Gro or Sea-Born, to help combat the shock of transplanting. The seedlings are foliar-fed and are kept well-watered and cultivated throughout the growing season.

The rate of growth and increase is influenced by the care accorded the seedlings throughout the season. A short season, with unpleasant and early crisp weather, will retard growth. On the other hand, in a long season of pleasant weather, with sufficient moisture, the seedlings will grow uninterruptedly and maximum results will be attained.

In a good season, growth continues in this area to the end of October or into early November.

Each fall the bountiful supply of leaves is hauled to the field and deposited between the rows. What remains in the spring is plowed into the soil. I have two huge compost piles in continuous operation—both with the usual ingredients and ground up discarded irises and daylilies. There is usually sufficient well-rotted compost which, from time to time, is added



Seedlings the Following May.

to the field and to the beds in the display garden.

Irises are heavy feeders. Their food requirements must be met and replenished from time to time. Irises cannot be grown in the same soil indefinitely without appreciable deterioration.

I usually grow between 2,500 and 3,000 seedlings each year—some years more and some years less. They are rigorously rogued; I number and save only those seedlings that suit my purposes—about 40-50 yearly. They must be exceptionally good. Color is the first requisite; in any event, I believe so. What practical purpose would a beautifully branched and formed, or heavily substanted iris of unattractive color, serve? None; except for further breeding and experimentation. But not for exploiting commercially.

Numbered seedlings are lifted as clumps when time allows in June, July or August and placed in specially prepared rows for further watching and evaluation. Those carrying seed pods are also lifted and the stalks securely staked.

As each new iris bloom season arrives, I gaze in awe at the myriad of colors when I approach the long rows of seedlings. The closer I look, the more the marvel of plant breeding deepens and the mystery sharpens. I'll never cease to be amazed at the beauty that emerges from the tiny brown speck we call an iris seed.

OUR HYBRIDIZING PROGRAM

OPAL L. BROWN

At the request of our persuasive editor, herewith is a resume of an iris breeding program of nearly twenty years' duration, together with a few comments on various methods and results as observed during the interim.

The passing of these years has at time left feelings of frustration, sheer joy, and a few surprises. Yet, perhaps the warmest feeling is that which comes with the appearance of "that certain something" for which your crosses were planned. This brief article shall deal only with the iris hybridizing goals and a few of the personal thoughts affecting the success of these efforts.

To maintain proper perspective, this story must begin in 1949. To be even more explicit, the story begins on page 106 of a valued copy of *The Iris—A Hardy Perennial* published November, 1947, at Nashville, Tenn. Commencing on page 106 and authored by Jesse Wills is "Suggestions on Hybridizing." This excellent article and the companion article on page 96 presenting "An Outline of Genetics of Tall Bearded Irises" by the great A. H. Sturtevant were written for just such eager eyes and iris-minded persons such as myself. Yes, 1949 was the real "clincher," for these two articles have certainly been a factor in our hybridizing program through the years, each word as true now as when written. Change dates, varietal names, add a few advancements, and behold—there is truly nothing new under the sun.

If iris breeding is your favorite hobby, or secret desire, then by all the experience gained through several methods, such as line breeding, in breeding, plus "wide crosses," my firm conviction is that one must concentrate upon two pertinent factors: Never lose sight of your predetermined goal, and equally important is the ability to recognize improvement, however

slight, for the future of your line depends greatly upon selection of the proper "extender." This is a must! Selection is of the utmost importance. No iris is perfect in every aspect, and within that fact lies the reason for continuance of an engrossing search for that mythical "perfection."

Line breeding, if strictly adhered to as such, can become a seemingly boring task, blooming endless numbers of uncooperative seedlings. However, this method is for those who patiently work for a period of years to intensify some specific facet, or to eliminate an undesirable trait. Should the elements of time and planning cooperate with the breeder, the reward is that of accomplishment.

Using a rather composite method of crosses based on the use of varieties or seedlings of known parentage, which by careful selection and judicious study of registration records are indicated as possessors of those lineal factors best suited to your particular needs, you may out-cross with impunity (but not without a few qualms). When these seedlings bloom, one must be doubly cautious to insure the selection of only those which unquestionably carry the desired genes. Many of the finest of today's irises have evolved from the best of prior years. Because of this, one might reasonably assume that fairly presentable seedlings would result from a present-day cross, which in other times was often categorized as "wild." The iris breeder must be somewhat of a gambler, and should make the odds as favorable to his effort as possible. The theory here is that if a cross is worth making at all, it is worth making several times. The more numerous the area of selection, the more rapid one's progress toward a given goal. Discard inferior seedlings with the same enthusiasm shown in making the original crosses. An active shovel is often the iris breeder's best friend!

At the outset of my personal endeavors in the fascinating pursuit of the Goddess Iris, it was my good fortune to have a fine collection of newer varieties of the times. Thus, with the "modern tools" at hand, the intriguing aspects of iris hybridizing became of paramount interest.

Perhaps some hybridizers specialized in a limited sense within a more scientific area than did others. Yet, I would like to feel they, too, were motivated largely by the same thought so aptly expressed within the terms of the Charter of this great American Iris Society, simply and forcefully stated: "And Exists for the Sole Purpose of Promoting the Culture and Improvement of the IRIS." What better explanation could be asked? This is the basic purpose of every conscientious breeder. Beginner and "expert" alike must constantly strive for improvement. To have the fellowship and assistance of various departments and offices within the structure of the Society is definitely an additional bonus to those involved with iris breeding.

Guided by the "expressed purpose" of the AIS and the select varieties of tall bearded irises growing in my own "patch," there began a program of breeding designed to do several things—broaden the petals of the talls, eliminate haft venations, and improve balance of the flower. With the blooming of subsequent seedlings, my curiosity became more specific toward ideas envisioning flowers with ruffles and lace in various colors, such as a brown with laced edges. So began a line with CHANTILLY X PRETTY QUADROON, which actually served two purposes. The brown seedlings were forming one "line," leading to BAYADERE, while a lavender-pink sister

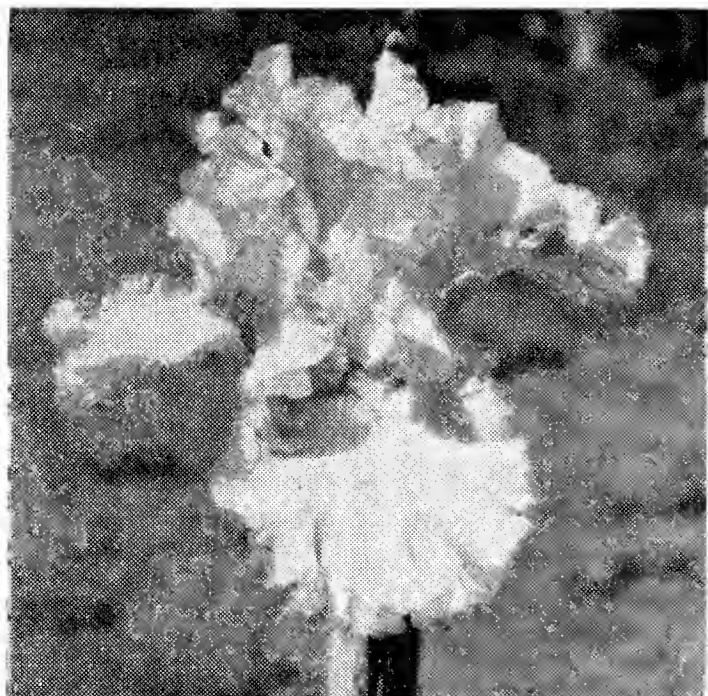
formed the basis for a second effort, which was to fit in at a later date with a serious effort to develop laced blues.

The initial line in quest of good laced blues involved CHANTILLY X ESQUIRE and produced quite good laced blues. However, the best flowers of each successive cross retained haft venations, so this line was dropped and full attention focused upon the secondary line begun with the previously mentioned lavender-pink seedling. Further extension of this line entailed numerous crosses involving PIERRE MENARD, JANE PHILLIPS, ARLENE WOOD, ALTAR LIGHT, PICTURE BOUQUET, QUEEN'S LACE and BETH COREY. Each of these varieties were selected for one or more factors, such as color, lace, substance, width of petal and branching. By 1963, through critical selection of progeny, several well-formed, laced blues had developed. However, stalks were shorter than desired and branching inadequate. Time now to bring in new blood with height and good branching. This was accomplished through the use of RIPPLING WATERS. After two generations, the desired goal was attained with the blooming, in 1967, of numerous excellent blues replete with lace, height and branching.

The foregoing was given only as an example of an extensive program covering fourteen years and entailing many hours of hard work, countless seedlings, and frustrations at time. However, all these become of minor importance upon the achievement of a purpose.



LIGHTNING RIDGE
HM '67
(O. Brown '66)



4-13B 1
HC '67
(WINTER OLYMPICS X M-58-1)
(O. Brown)

Ever present is the possibility of a chance crossing of two modern cultivars possessing proper genetic factors producing seedlings of high quality in every respect. Such a chance turn of fortune's wheel, however, could not compensate for the pleasure of personal satisfaction gained through progressive developments of line breeding.

Many of today's "introductory" varieties share five attributes which are needed to merit approval of iris fanciers—width of petal, clean hafts, good substance, pleasing form and good branching. It is well to keep these qualities in mind when selecting "parents." Height, branching and bud

count generally find their respective places in garden use, but good branching is desirable for the show bench.

With the ever increasing spectrum of colors and combinations thereof, plus ruffles, flounces, fluting and lace, the fledgling hybridizer of today has to use an expression, "Never had it so good."

It is my conviction that GYPSY LULLABY and its progeny have opened up an entirely new vista of breeding for me. With the blooming of each successive generation of this line, new color combinations are leading to further programs. At the present time many seedlings are indicative of amoenas in pink, red and orchid. Others are of many combinations of bi-colors, including variegatas (fertile), which I intend to pursue further, as these newest developments are smoother, cleaner hafted and much more fertile than the variegatas of "yesterday."

While WINTER OLYMPICS is at times a rather difficult parent, it tends to throw well-formed flowers and adequate branching, and has given this breeder some worthwhile blues, yellows and whites, plus other less conventional trends sufficient to occupy a place in plans for the future. Quite apparent, there are no limitations to the future avenues of inexhaustible possibilities for change and improvement in the world of irises. To mention one such meritorious continuance, Sdlg. 4-13B1, selected for its flaring form with the most unusual intensive fluting on both standards and falls. Standards are ivory-white flushed pale blue; falls are ivory-white, but tend to retain a bit of green in the rills of the fluting, due to the extra heavy substance. The stalks are tall with well-spaced branching.



M-58-1
(O. Brown)



CPQ-53
(O. Brown)

Two New Directors



DR. CLARKE COSGROVE



DR. HUGO A. WALL

Dr. Hugo Wall, graduate of Stanford, once professor of history and head of the department, dean of the graduate school, acting president of the university and now retired as vice president of academic affairs at Wichita State University, and now director of the Urban Studies Center of WSU, comes to the Board with a long service and interest in irises and AIS. He and Dora became interested in irises in 1941, and started an iris hybridizing program a few years later. Hugo's interests have been in reds and blues, and the only production he talks about is MANSION HOUSE, a pale blue. He wistfully avows that Dora, who works with greens and amoenas, has been more successful.

Dr. Wall has been president of the Wichita Area Iris Club, RVP of Region 18, when he started the Region 18 Bulletin, helped to prepare the current Judges Handbook, has conducted judges training sessions and moderated two panels on judging at national convention. He has been assigned in charge of membership.

Dr. Clark Cosgrove is assistant director of the evaluation and research section of the Los Angeles city schools. He holds AB, MA and MS degrees in chemistry and a Ph.D. in educational psychology from the University of Southern California. He has been active in co-authoring achievement tests and aptitude surveys.

Dr. Cosgrove was born in Minnesota. He has been growing irises since the mid-thirties, and has served as RVP of Region 15. He is the past-president and the past-editor of the Spuria Iris Society, and is both past-president and past-editor of the Southern California Iris Society, and the cur-

rent president. He remarks that he has cut down his hobby iris garden to about 800 varieties.

Dr. Cosgrove has been assigned as co-Chairman of the Exhibition Committee.

GOLDEN GATE IN '68

DISTINGUISHED SERVICE MEDAL TO GAULTER



Larry Gaulter, who closed out his services as a Board member at the Dallas meeting, was awarded the Distinguished Service Medal. He has served in many capacities, but his chief field has been the building of the Judges Training Program. He began growing irises in 1920, a project interrupted by Navy service in World War II, and again by uprooting his Kansas garden in 1948 to move to California. Plicatas were an early love, and his PORT ROYAL and COUNTRY SQUIRE are outstanding. He also has developed a line of violet blends, of which three, CLAUDIA RENE, JILBY and LAURIE are named for grandchildren. Others include BACCARAT, a dark blend;

HIGH SIERRA, a white; and CHRISTIE ANN, which won the Premio Firenze award in 1967.

HYBRIDIZING MEDAL TO ARNY



Charles W. Arny, Jr., Associate Professor of Economics at Southwestern Louisiana Institute, and owner of Charjoy Gardens in Lafayette, La., was awarded the Hybridizers Medal by the Board of Directors at the Dallas meeting. Mr. Arny has been engaged in a Louisiana iris hybridizing program for the past twenty years and our records show fifteen AIS awards since 1960.

He is a graduate of Louisiana State University, holding the degree of Master of Science, and is married to Joyce Eleanor Bachemin.

AIS JUDGES FOR 1968

The following rosters by Regions include the four categories of judges: Garden judges, exhibition judges, senior judges and honorary judges.

By authority delegated by the Board of Directors, members nominated by the Regional Vice Presidents as garden judges or as exhibition judges have been accredited, respectively, by:

MRS. WALTER H. BUXTON, *Chairman*, Garden Judges Committee.

MR. WILLIAM T. BLEDSOE, *Chairman*, Exhibition Committee.

Exhibition judges are accredited to judge exhibitions only. Garden judges are also exhibition judges.

For the changeover in the manner of appointing and accrediting judges, effective November 1, 1968, see:

1. AIS Bulletin, January 1967, p. 99.

2. AIS Bulletin, April 1967, pp. 20—26.

Garden and exhibition judges hold office for one year, with reappointment contingent upon the performance of all duties required of the office. Garden judges may not exceed ten per cent of the total membership of the Society.

Senior judges are (1) accredited garden judges automatically elevated to this class after fifteen years of service, and (2) present and past Directors. These judges have all the voting privileges of garden judges, but are not required to visit gardens nor to vote unless they wish to do so. They are expected to participate in the training of new judges.

Honorary judges are appointed by the Board of Directors. This office is an honor given to judges who have rendered outstanding service to the Society. Honorary judges have the voting privileges of garden judges, but exercise of the privilege is optional.

In the lists, garden judges are identified by a G, exhibition judges by an E, senior judges by an S, and honorary judges by an H.

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S Mr. Stedman Buttrick, Concord

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 - G Mr. Raymond Thomas, Saltillo
 - G Mr. Jack Weber, Yeadon
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 G Mrs. J. D. Stovall, Memphis
 E Mrs. Edward Toulon, Memphis
 E Mrs. William Van Winton, Memphis
 H Mr. Jesse E. Wills, Nashville
 E Mrs. C. A. Wyatt, Memphis

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 G Mrs. Mary Drake, Park Ridge
 G Mrs. Isabelle DuJardin, Addison
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 S Mrs. Mildred Harrell, Aurora
 H Mrs. Georgia Hinkle, Marion

G Mr. Lerton W. Hooker, Lombard
 G Mr. G. E. Hubbard, DeKalb
 G Mr. Leonard Jugle, Elmhurst
 G Mr. Sherman Kindell, Maywood
 G Mrs. Leda Knight, Omaha
 G Mr. Frank Lang, Hodgkins
 G Mr. George Livingston, Earlville
 G Mrs. Dorothy McKemie, Benton
 G Mr. James E. Marsh, Chicago
 G Mr. James Mason, Chicago
 G Mrs. Mildred Midjaas, Carbondale
 G Mrs. L. F. Murphy, Mt. Vernon
 G Mrs. Jesse E. Pickard, Benton
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 G Miss Marilyn Redenbo, Smithboro
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 G Mr. Richard Sanders, Wheaton
 G Mrs. E. P. Sawyer, Gibson City
 G Mrs. Marilyn Sheaff, Ottawa
 G Mr. Walter Sir, Oak Park
 G Mr. Robert C. Smith, Robinson
 G Mr. John Thompson, Springfield
 G Mr. James S. Tucker, Centralia
 S Mr. Edward E. Varnum, Villa Park

REGION 10

Louisiana

G RVP, Mrs. Ruth Noel, Shreveport
 G Miss Aline Arceneaux, Lafayette
 G Mr. Charles Arny, Lafayette
 S Miss Marie Caillet, Lafayette
 H Mrs. Walter Colquitt, Forbing
 G Mrs. W. E. Conger, Arcadia
 G Mr. Claude W. Davis, Baton Rouge
 E Mrs. Roy Davis, Shreveport
 E Mrs. Robert Ehrhardt, Shreveport

E Mrs. Erwin Jordan, Alexandria
 H Mr. W. B. MacMillan, Abbeville
 G Mr. Joseph K. Mertzweiller, Baton Rouge
 E Mr. Roderick H. Outland, Natchitoches
 G Mr. Jules Patin, Lafayette
 G Mrs. L. L. Robinson, Shreveport
 G Mr. Nolan J. Sahuc, Lafayette
 G Mrs. A. P. Walther, Shreveport

REGION 11

Idaho

S RVP, Mrs. Ed Conrad, Buhl
 G Mrs. Floyd Bandy, Twin Falls
 E Mrs. John D. Flatt, Twin Falls
 G Mrs. Hazel B. Hargis, Boise
 G Mrs. Marvin Hart, Missoula
 G Mrs. E. J. Henke, Boise
 E Mrs. J. C. Hickenlooper, Preston
 E Mrs. Don R. Holtz, Kellogg

S Mrs. Estelle A. Ricketts, Jerome
 G Mrs. Carl M. Smith, Lewiston
 S Mrs. S. W. Smith, Twin Falls
 S Mrs. Glen Suiter, Eagle
 S Mrs. C. W. Vallette, Declo

Montana

S Dr. Homer N. Metcalf, Bozeman
 E Mrs. S. F. Pimperton, Fort Benton
 G Mrs. W. R. Walters, Great Falls

G Mr. Robert L. Jensen, Montpelier
 S Mrs. Alfred Kramer, Castleford
 G Mr. Neil Mogensen, Caldwell
 S Mrs. Ralph S. Nelson, Coeur d'Alene
 E Mrs. Norman E. Purviance, Lewiston

E Mrs. E. M. Zimmerman, Billings

Wyoming

G Mrs. C. Arvid Nelson, Laramie
 S Mrs. Lowell A. Storm, Chugwater

REGION 12

Utah

G RVP, Mr. Bion Tolman, Salt Lake City
 E Mrs. Evelyn Barkdull, Logan
 G Mrs. Townley Brian, Ogden
 G Mrs. David E. Burton, Salt Lake City
 S Mrs. Luzon Crosby, Orem
 G Mrs. T. O. Daley, Ogden
 E Mrs. R. Ervin Day, Fillmore
 G Mrs. Clyde M. Decker, Ogden
 G Mrs. Louis Deru, Ogden
 G Mr. John C. English, Salt Lake City
 G Mrs. John C. English, Salt Lake City
 G Mr. J. R. Hamblen Roy
 S Mrs. J. R. Hamblen, Roy
 G Mrs. H. C. Hansen, Logan
 H Mr. Fisher Harris, Salt Lake City
 G Mrs. Ray E. Jensen, Logan
 G Mrs. Merrill S. Johnson, Salt Lake City
 G Dr. Odell Julander, Provo

S Mr. Carl A. Larson, Salt Lake City
 G Mrs. Joan C. Lee, Roy
 G Mr. W. E. McClure, Ogden
 G Mr. George R. Mayberry, Provo
 E Mrs. R. W. Middlemiss, Salt Lake City
 E Mrs. Ruth Milligan, Ogden
 S Mr. Tell Muhlestein, Orem
 E Mrs. Thomas Osguthorpe, Salt Lake City
 G Mr. Les Peterson, Salt Lake City
 S Mr. C. Meredith Reynolds, Bountiful
 G Mrs. C. Meredith Reynolds, Bountiful
 S Mr. Raymond C. Solomon, Salt Lake City
 G Mr. Herbert Spence, Ogden
 G Mrs. Merlin Tams, Wellsville
 G Mrs. Herman Theurer, Wellsville
 H Mrs. Herman Thorup, Salt Lake City
 E Mr. Marvin A. Wallace, Murray

REGION 13

Washington

G RVP, Mr. Herbert M. Parker, Richland
 G Mr. Foster H. Allen, Washougal
 E Mrs. Marie H. Amend, Quincy
 G Mrs. G. D. Bletcher, Spokane
 G Mr. Donald J. Boen, Walla Walla
 G Mrs. C. T. Bromley, Richland
 G Mrs. Rex P. Brown, Kirkland
 G Mrs. Tom M. Brown, Walla Walla
 S Mr. Tom Craig, Boring
 G Mr. Charles F. Carper, Seattle
 G Mr. Norris W. Carter, Spokane
 S Mr. Merle Daling, Waterville
 E Mr. B. LeRoy Davidson, Seattle
 G Mrs. John C. Flagler, Seattle
 E Mrs. John W. Fox, Kennewick
 G Mrs. Alexia Gerberg, Naches
 G Mr. Joseph H. Hoage, Richland
 G Mrs. T. C. Hobart, Greenacres
 E Mrs. J. E. Hutsinpillar, Spokane
 G Dr. Frederick R. Judy, Spokane
 E Mrs. W. H. Keen, Walla Walla
 G Mr. W. G. Kellie, Pasco
 E Mr. J. H. Kohl, Kennewick
 G Mrs. Maxine G. Maynard, Puyallup
 G Mrs. W. L. Mize, Bellingham

E Mrs. Henry Peterson, Tacoma
 S Mr. Gordon Plough, Wenatchee
 E Mrs. H. G. Ricek, Richland
 G Dr. Richard S. Rosenfels, Richland
 E Mrs. J. D. Ruggles, Bellingham
 H Mrs. Hazel Schmelzer, Walla Walla
 E Mrs. S. M. Sisley, Spokane
 G Mr. Robert F. Smiley, Federal Way
 S Mrs. Jake L. Smith, Waitsburg
 G Mrs. William F. Snell, Outlook
 G Mrs. Harriet Sparger, Clarkston
 G Mrs. Lewis Trout, Moses Lake

Oregon

G Mr. Ronald J. Beattie, Canby
 H Mr. R. M. Cooley, Silverton
 G Mrs. James N. Craig, Klamath Falls
 H Mrs. Fred DeForest, Canby
 G Mr. Larry Ernst, Silverton
 G Mrs. Mable Framke, Canby
 S Mr. Bennett C. Jones, Portland
 H Dr. H. E. Kleinsorge, Silverton
 G Mr. L. V. Kohler, Corvallis
 H Mr. Walter Marx, Boring
 E Mrs. Edith Poe, Medford
 G Mrs. Marjorie Roark, Grants Pass
 H Mr. Bernard Schreiner, Salem

G Mr. Austin Morgan, College Place
 G Mrs. Walter Noyd, Wenatchee
 E Mrs. Grace Pederson, Seattle

H Mr. Robert Schreiner, Salem
 G Mr. George Shoop, Portland
 S Mr. Chet Tompkins, Canby

REGION 14

Northern California

G RVP, Mr. Glenn F. Corlew, Walnut Creek
 G Mr. Willard Akers, Healdsburg
 G Mrs. Ermah Ballard, Redding
 G Mr. Robert Brown, Berkeley
 G Mrs. Sam Burnett, Sacramento
 G Mrs. E. V. Butler, Sacramento
 G Miss Lois Carnahan, Carmichael
 E Mr. Ralph B. Coleman, San Jose
 E Mrs. Edith Coscarelly, San Jose
 H Mr. Frank Crouch, Berkeley
 S Mrs. Peg Dabagh, Berkeley
 G Mrs. Sidney P. DuBose, Stockton
 G Mrs. Robert L. Dunn, North Highlands
 G Mrs. Hilda F. Fail, Tulare
 G Mr. Tom Foster, Walnut Creek
 S Mr. Larry Gaulter, Castro Valley
 G Mrs. Larry Gaulter, Castro Valley
 G Mr. Ralph Geyer, Mt. View
 G Mr. Joseph Ghio, Santa Cruz
 G Mr. James Gibson, Porterville
 E Mr. Thomas Graham, Antioch
 G Mr. Ben R. Hager, Stockton
 G Mrs. Mac W. Holloway, Sacramento
 G Mr. Frank E. Hutchings, San Leandro
 E Mrs. James Ingle, Tulare
 E Mr. Robert Jerrel, Walnut Creek

G Mrs. Ethel A. Johnson, Fremont
 G Mr. George W. Johnson, Fremont
 H Dr. Stafford L. Jory, Berkeley
 G Mr. Keith Keppel, Stockton
 G Mr. Milton W. Lazansky, Lafayette
 E Mrs. Violet Lorenz, Chico
 G Mrs. Frank Luevano, San Jose
 G Mr. Walter Luihn, Hayward
 G Mr. Paul Maxim, Redding
 G Mr. Paul Maxim, Redding
 G Mrs. William Messick, Lafayette
 G Mrs. R. Nelson Nicholson, Stockton
 G Mr. Roy Oliphant, Berkeley
 G Dr. Maurice A. Peel, San Jose
 G Mr. Donald L. Peterson, Campbell
 S Mr. Carl A. Quadros, Sacramento
 G Mr. Fremont F. Radcliffe, Pittsburg
 H Miss Clara B. Rees, San Jose
 S Miss Ruth Rees, San Jose
 G Mrs. Bernice Roe, San Jose
 S Mrs. A. L. Romer, Ukiah
 E Mrs. Virginia L. Ross, Roseville
 E Mrs. Frank Scott, San Jose
 G Mr. W. B. Schortman, Porterville
 G Miss Hazel Stewart, San Jose
 E Mrs. Eleanor Vennum, San Jose
 G Mr. Vernon Wood, Berkeley

Nevada

G Mr. J. R. Sanfratel, Las Vegas

REGION 15

Southern California

G RVP, Mrs. Barbara Serdynski, Los Angeles
 G Mr. Thornton M. Abell, Santa Monica
 G Mrs. Kenneth B. Anderson, La Canada
 G Mrs. Sereno E. Brett, Santa Barbara
 G Mrs. Lois B. Byers, Monrovia
 G Mrs. N. R. Carrington, San Diego
 S Mr. Ralph Conrad, Van Nuys
 G Mrs. D. D. Cook, North Hollywood
 S Dr. Clarke Cosgrove, San Gabriel
 S Mrs. J. C. Cruise, Yucaipa
 G Mr. Arthur B. Day, Chula Vista
 G Mr. Philip Edinger, Santa Monica
 G Mrs. Charles R. Foster, Sierra Madre
 G Mrs. Harry B. Frey, Riverside
 G Mr. William J. Gunther, Del Mar
 G Mrs. Dick Hadley, Arlington
 E Mrs. Bernard L. Hammer, Perris
 G Mrs. Mildred Hancock, Taft
 G Mrs. William Hawkinson, Calimesa

S Dr. Lee W. Lenz, Claremont
 S Mrs. David W. Lyon, Northridge
 G Mrs. Frank McCown, Holtville
 S Miss Elma Miess, Calimesa
 G Mrs. George W. Nelson, Arlington
 S Mrs. Edward Owen, Leucadia
 H Mrs. Douglas Pattison, Corona Del Mar
 G Mr. August Phillips, Inglewood
 G Mrs. B. D. Pilley, Valley Center
 H Mr. W. A. Payne, Santa Anna
 E Mr. Jose Rivera, Fallbrook
 G Mrs. George M. Roach, Los Angeles
 G Mr. Mark E. Rogers, Yucaipa
 G Mrs. Joseph Shirley, Los Angeles
 E Mr. George Stambach, Pasadena
 H Mrs. Otto Stuetzel, Woodland Hills
 G Mr. Collic S. Terrell, Wasco
 H Mr. Marion R. Walker, Ventura
 G Mrs. Wayne W. Weaver, Lakeside

Arizona

H Mrs. Elsie Heimer, Van Nuys
 G Mr. Raymond E. Hiser, Spring Valley
 E Mrs. Hilda Holterman, Wasco
 S Mr. Russell Hopson, San Gabriel
 G Mrs. Mary H. Hoskins, Bakersfield
 E Mrs. Margaret Howard, Escondido
 G Mrs. Clarence Joris, San Bernadino
 G Mrs. L. Brooks Lawson, Valley Center

G Mrs. Genevieve Jasper, Tuscon
 G Mr. Ralph A. Johnson, Phoenix
 G Mr. Herbert McKusick, Globe
 G Mrs. M. B. Morrow, Phoenix
 G Mrs. Paul Orick, Phoenix
 G Mrs. Mary Reed, Phoenix
 G Mrs. E. F. Urech, Tucson
 E Mrs. G. G. Williams, Phoenix

REGION 16

Canada

G RVP, Mr. Douglas Insleay, Montreal
 H Rev. W. T. Corcoran, Stratford
 G Mr. Donald V. Fritshaw, Hamilton
 E Mrs. W. A. Harris, Toronto

E Mr. O. A. Kummer, Preston
 G Mr. Bruce Richardson, Hannon
 G Mrs. Alberta Richardson, Hannon
 G Mr. M. D. Smith, Toronto

REGION 17

Texas

G RVP, Mr. Leon C. Wolford, Dallas
 G Mrs. A. M. Aiken, Paris
 G Mr. James R. Allen, New Braunfels
 G Mr. C. J. Andrews, Arlington
 G Mrs. H. P. Ballengee, Phillips
 S Z. G. Benson, Wichita Falls
 G Mrs. Joe L. Bergin, Dallas
 G Mrs. Cecil Biggs, Temple
 G Mrs. R. C. Blevins, Fort Worth
 G Mrs. J. Gordon Bristow, Big Springs
 S Mrs. L. E. Brooks, Iowa Park
 G Mr. J. H. Burge, Denton
 G Mrs. Lawrence Burt, Waco
 G Mrs. E. F. Campbell, Morgan
 G Mrs. R. L. Campbell, Sherman
 G Mrs. E. S. Carter, Wichita Falls
 G Mrs. Preston L. Childers, Temple
 S Mr. W. R. Cochran, Dallas
 G Dr. J. W. Collier, College Station
 G Mr. Jim Coward, Waxahachie
 G Mrs. Hugh Davis, Levelland
 G Dr. C. P. Denman, Fort Worth
 G Mrs. E. L. Derr, Chillicothe
 G Mrs. W. Shelbie Dodd, Dallas
 G Mr. George E. Espersen, El Paso
 G Mr. L. E. Flanagan, Fort Worth
 G Mr. David J. Flesh, Jefferson
 G Mrs. H. F. Fulkerson, Dallas
 G Mrs. Doyle Gray, Belton
 G Mr. Theodore G. Harris, El Paso
 S Mr. H. H. Henkelman, Fort Worth

G Mr. Paul Horn, Fort Worth
 G Mrs. Morley Jennings, Lubbock
 G Mrs. L. O. Jordan, Dallas
 G Mrs. Vernon H. Keesee, Lubbock
 G Mrs. Tom C. Kelk, Ben Wheeler
 G Mrs. Grady Knight, Lubbock
 G Mrs. Jack Lawhorn, Temple
 G Mr. W. D. Lee, Houston
 S Mrs. Joe M. Leonard, Gainesville
 G Mrs. E. E. Louthan, Lubbock
 G Mrs. Houston McMurry, Henrietta
 S Mr. M. W. Norton, Jr., Dallas
 G Mrs. M. W. Norton, Jr., Dallas
 G Mrs. Stayton Nunn, Houston
 G Mr. William K. Patton, Matador
 G Mrs. E. L. Raney, Dallas
 G Mrs. Joe E. Reese, Brownwood
 G Mrs. Elizabeth Reneau, Belton
 H Judge Guy Rogers, Wichita Falls
 H Mrs. Guy Rogers, Wichita Falls
 G Mrs. Les Rowland, Abilene
 G Mrs. William A. Salmon, Marshall
 G Mr. John C. Sexton, El Paso
 G Mrs. John C. Sexton, El Paso
 G Mrs. H. D. Shields, El Paso
 S Mrs. A. M. Tallmon, Fort Worth
 G Mrs. Joe B. Thorn, Gordonville
 G Mr. Charles L. Waltermire, Everman
 S Mr. Roy E. White, Fort Worth
 G Mr. Dennis A. Wilkie, Dallas
 G Mrs. N. W. Williams, Fort Worth
 G Mrs. Ruth Wilson, Brownwood

REGION 18

Kansas

G RVP, Mr. Russell Morgan, Parsons
 S Mr. Orville Baker, Wichita
 G Mr. George Bender, McPherson
 S Mr. Roy Brizendine, Topeka
 G Mrs. Roy Brizendine, Topeka

E Mrs. L. F. Bosch, Maryville
 G Mr. Eugene Buckles, Sikeston
 S Miss Lily Buder, St. Louis
 S Mrs. Walter H. Buxton, St. Louis
 G Mrs. James Lee Chism, Festus
 G Mr. Bob Crockett, Joplin

G Mrs. W. F. Brown, Wichita
 G Miss Mable Fitch, Shawnee Mission
 G Mr. Herbert Graves, Friend
 S Mrs. Ervin Gruben, Scott City
 G Mrs. Frances Heagney, Sheldon
 G Mrs. Paul Hatcher, Emporia
 G Mrs. Charles Heisz, Selden
 G Mrs. Charles Jendel, Wichita
 G Mr. Floyd Jones, Garden City
 S Rev. David R. Kinish, Atchison
 G Mrs. Ruby Morgan, Parsons
 S Mr. John Ohl, Mulvane
 G Mr. Fred Paulsen, Wichita
 G Mrs. Richard Ramsey, Wichita
 G Mrs. Helen Reynolds, El Dorado
 G Mrs. Harlan Rogers, Emporia
 S Mrs. J. H. Salley, Liberal
 S Mr. J. L. Schoonover, Humbolt
 E Mrs. E. A. Slater, Wichita
 E Mrs. N. J. Smiley, Stafford
 E Mr. Don Streeter, Wichita
 G Mr. Ralph Stuart, Wichita
 G Mrs. Roberta Torrey, Wichita
 S Dr. Hugo Wall, Wichita
 G Mrs. Hugo Wall, Wichita
 G Mr. George W. Warner, Junction City

Missouri

G Mrs. Edward Arnoldi, Cape Girardeau
 G Mrs. Fletcher Bell, Rich Hill
 E Mrs. A. Bellagamba, Bridgeton
 S Mr. Clifford W. Benson, Chesterfield

G Mrs. Bob Crockett, Joplin
 S Mrs. W. O. Fleck, Independence
 G Mr. C. L. Fondoble, Washburn
 G Mrs. C. L. Fondoble, Washburn
 E Mrs. Perry Hager, Bonne Terre
 S Mr. C. Allen Harper, Kansas City
 G Miss Annabel Hennrich, Ironton
 G Mrs. E. P. Kieferle, St. Ann
 G Mr. E. P. Kieferle, St. Ann
 G Mrs. Wallace Klemp, Bonne Terre
 G Mr. J. J. McHugh, Kansas City
 G Mr. C. Robert Minnick, Kansas City
 G Mrs. C. Robert Minnick, Kansas City
 G Mrs. Paul Newman, Ironton
 G Mr. O. D. Niswonger, Cape Girardeau
 G Mr. Marvin G. Olson, Webster Groves
 G Mrs. Marvin G. Olson, Webster Groves
 G Mr. Ray C. Palmer, Manchester
 S Mrs. Ray C. Palmer, Manchester
 E Mrs. G. W. Pennewill, University City
 G Mr. Victor Quesnel, Farmington
 G Mrs. Fred Rentfro, Farmington
 G Mr. Elvan E. Roderick, Desloge
 S Dr. Walter H. Ryle, Kirksville
 G Mr. Harold Schaan, St. Louis
 H Mr. Carl O. Schirmer, St. Joseph
 S Mr. W. F. Scott, Jr., Ferguson
 S Mr. Herman J. Selle, Kansas City
 G Mr. S. G. Street, Independence
 S Mr. Elmer Tiemann, Fredericktown
 G Miss Gene Wild, Sarcoxie

REGION 19

New Jersey

G RVP, Mr. Paul L. Hoffmeister, Westwood
 G Mrs. Elizabeth Aulicky, Martinsville
 G Mrs. A. L. Bellmer, Tom's River
 G Mr. Raymond J. Blicharz, Trenton
 G Mr. Franklin E. Carr, Bordentown
 G Mr. Joseph Gatty, Fair Lawn
 G Mrs. Paul L. Hoffmeister, Westwood
 G Mr. Bill Krasting, Cherry Hill
 G Dr. Frederick J. Knocke, Reddington

G Mr. Melvin Leavitt, Whitehouse
 G Mr. Clement B. Reeves, Jr., West Cape May
 G Mr. Willard I. Rogers, Berkeley Heights
 H Mrs. F. P. Walther, Upper Montclair
 S Mr. Ira E. Wood, New Providence
 G Mrs. Ira E. Wood, New Providence
New York
 H Mr. Edwin Rundlett, Staten Island
 S Mrs. Kenneth D. Smith, Staten Island

REGION 20

Colorado

G RVP, Mr. Charles P. Gordon, Denver
 G Dr. R. W. Adams, Colorado Springs
 S Mr. O. T. Baker, Denver
 S Dr. John R. Durrance, Denver
 G Mr. John Hartman, Arvada
 G Mrs. Samuel L. Heacock, Denver
 G Mrs. M. H. Hurlburt, Denver
 S Mr. Everett C. Long, Boulder

H Dr. A. P. Loomis, Colorado Springs
 G Mr. Thomas L. Magee, Littleton
 G Mr. Frederic H. Nicholl, Arvada
 G Mrs. Ruth Pressey, Bayfield
 G Mr. Joseph O. Riley, Denver
 G Mrs. H. L. Shields, Bayfield
 G Mrs. Ethel Weber, Denver
 G Mrs. Charles Wedow, Denver

REGION 21

Nebraska

G RVP, Mr. Larry L. Harder, Ponca
 G Mr. Wayne Buckholz, Lexington
 G Mrs. John D. Cox, Lexington
 G Mrs. J. N. Cox, Norfolk
 G Mr. Allan Ensminger, Lincoln
 G Mrs. Arnold Freudenburg, Norfolk
 S Mrs. Hazel Grapes, Big Springs
 G Mrs. A. J. Harvey, Lexington
 G Mrs. Leon High, Lexington
 G Mr. Les Hildenbrandt, Lexington
 S Mrs. Lucille Kavan, Omaha
 S Mr. W. W. Keeling, Falls City
 S Dr. J. Arthur Nelson, Omaha
 S Mrs. J. Arthur Nelson, Omaha
 G Mrs. N. S. Pederson, Norfolk
 G Mrs. C. V. Robertson, Chambers
 H Mr. Henry Sass, Omaha

G Mr. Arnold Schliefert, Murdock
 G Mrs. Frank Skrdla, O'Neill

Iowa

G Mrs. Paul Anderson, Des Moines
 S Mr. George Dubes, Sioux City
 S Mrs. B. E. Ellis, Ottumwa
 S Mrs. J. G. Gutekunst, State Center
 G Mr. Floyd Helt, Sioux City
 G Mrs. L. N. Hockett, Marshalltown
 H Mrs. Ralph Ricker, Sioux City
 G Mr. Arthur E. Rowe, Jr., Mason City
 G Mr. Kempton Settle, New Providence
 G Mr. Fred E. Spahn, Dubuque
 H Mr. Charles G. Whiting, Mapleton
 G Dr. R. W. Wilder, Stanhope

South Dakota

G Mr. John E. Griffin, Sioux Falls
 S Mr. Clifford Smith, Vermillion

REGION 22

Oklahoma

G RVP, Mr. Perry Parrish, Oklahoma City
 G Mr. Wiley Abshire, Guthrie
 E Mrs. Mary Barefoot, Lindsay
 G Mr. M. B. Bartley, Enid
 E Mrs. C. C. Clark, Sentinel
 G Mrs. J. P. Crawford, Purcell
 G Mr. C. A. Cromwell, Jr., Oklahoma City
 G Mrs. Howard Estes, Oklahoma City
 E Mr. Marvin Fletcher, Yukon
 G Mr. W. G. Frass, Enid
 G Mrs. R. L. Gilbert, Lawton
 G Mrs. H. V. Glitsch, Woodward
 E Mr. Robert Henry, Ardmore
 G Mrs. Robert Henry, Ardmore
 G Mr. Alva Hickerson, Tulsa
 G Mrs. Alva Hickerson, Tulsa
 H Miss Eleanor Hill, Tulsa
 G Mr. John W. Humphrey, Stillwater
 E Mrs. John W. Humphrey, Stillwater
 E Mrs. John E. Jennings, Wynnewood
 G Mr. W. E. Jones, Oklahoma City
 G Mrs. Charles E. Kenney, Tulsa
 G Mrs. Ed C. Kurtz, Walters
 E Mrs. L. M. Limpus, Spencer
 G Mrs. Helen McCaughey, Oklahoma City
 G Mrs. J. B. McConnell, Tulsa
 G Mr. Tom Munger, Jr., Enid
 G Mrs. Ica Pierson, Lawton
 E Mrs. H. G. Plato, Oklahoma City
 S Mrs. Russell Pryer, Oklahoma City

G Miss Leah Ralls, Edmond
 E Mrs. Robert Ritter, Oklahoma City
 G Dr. M. L. Saddoris, Cleveland
 G Mrs. M. L. Saddoris, Cleveland
 E Mr. Ted Schwachhofer, Muskogee
 G Mr. Kenneth J. Shaver, Bethany
 G Mrs. Iris Smith, Hitchcock
 E Mrs. Zip Smith, Oklahoma City
 S Mrs. Cyrus Stanley, Oklahoma City
 G Mrs. James G. True, Lawton
 E Mrs. J. J. Truscott, Shawnee
 E Mrs. Rex White, Lawton
 E Mrs. C. A. Wilde, Catoosa

Arkansas

E Mrs. Roscoe Blount, Little Rock
 G Mrs. Earl Brandon, Bald Knob
 G Mr. Richard C. Butler, Little Rock
 G Mr. Oren C. Campbell, N. Little Rock
 G Mrs. Oren C. Campbell, N. Little Rock
 S Mr. Frank E. Chowning, Little Rock
 G Mr. Zeh Dennis, Jr., Hot Springs Nat'l. Park
 S Mrs. Zeh Dennis, Jr., Hot Springs Nat'l. Park
 G Mr. Richard Morgan, Little Rock
 E Mr. Joe Saia, Helena
 G Mrs. Vay B. Sargo, Hot Springs
 E Mrs. William C. Sloan, Jonesboro
 G Mr. Hoyt T. Smith, Little Rock
 G Mrs. Hoyt T. Smith, Little Rock
 G Mrs. Leo Whitten, N. Little Rock
 E Mrs. Tracy Witherington, Camden

REGION 23

New Mexico

- G RVP, Mrs. Bernard Lowenstein, Albuquerque
- E Miss Alleah S. Barnes, Albuquerque
- G Mrs. Richard Bohannon, Albuquerque
- E Mrs. T. H. Boswell, III, Roswell
- E Mrs. Earl S. Corn, Dexter
- E Mrs. George Doolittle, Albuquerque
- G Mrs. Irby Downey, Albuquerque
- G Mrs. Earl Gould, Albuquerque
- E Mrs. Dennis Hoilman, Albuquerque

- G Mr. Frank Kalich, Albuquerque
- E Mrs. Earl Kaufman, Santa Fe
- G Mrs. Ruth Kilbey, Albuquerque
- E Mrs. James Kuykendall, Taos
- E Mrs. W. M. McGrath, Albuquerque
- G Mrs. W. H. McKinley, Roswell
- H Mrs. Earl Mount, Albuquerque
- G Mr. Howard Shockey, Albuquerque
- G Mrs. Eugene Sundt, Albuquerque
- G Mr. Ernest Wilson, Albuquerque
- G Mrs. James R. Yocum, Albuquerque

REGION 24

Alabama

- G RVP, Mr. Joe M. Langdon, Birmingham
- E Mr. Joseph L. Askins, Brownsboro
- G Mrs. Ernest Batson, Florence
- G Mrs. Paul F. Boon, Birmingham
- E Mrs. E. D. Bosserman, Grant
- G Mrs. B. W. Branum, Huntsville
- G Mr. A.H. Brush, Birmingham
- G Mr. A. H. Brush, Birmingham
- G Mr. B. Howard Camp, Albertville
- E Mrs. B. Howard Camp, Albertville
- E Mrs. William A. Cobb, Jr., Huntsville
- G Mrs. John T. Collier, Decatur
- E Mrs. P. G. Cowden, Birmingham
- F Mrs. Lester Fanning, Huntsville
- G Mrs. Ruth T. Fletcher, Gadsden
- G Dr. L. E. Fraser, Florence
- G Mrs. Floyd Garner, Albertville
- G Dr. M. J. Hall, Huntsville
- E Mrs. Alfred Hecht, Huntsville
- G Mrs. H. C. Hendricks, Birmingham
- E Mrs. Willard Irwin, Moulton
- E Mrs. George Johnson, Hueytown
- G Mrs. A. Russell Jolly, Sheffield
- E Mr. Richard D. Mansfield-Jones, Birmingham
- E Mrs. Richard D. Mansfield-Jones, Birmingham
- G Mrs. A. I. Kuykendall, Guntersville
- G Mrs. Joe M. Langdon, Birmingham
- G Mrs. Alton Lawrence, Bessemer
- G Mrs. Hermon Lollar, Birmingham
- G Mrs. R. W. McLaney, Huntsville
- G Mrs. E. P. Miles, Birmingham
- G Miss Nan Elizabeth Miles, Birmingham
- G Mrs. Perry H. Morton, Gadsden

- E Mrs. E. H. Phillips, Helena
- G Mr. W. H. Ponder, Gadsden
- G Mrs. Robert Robinson, Gadsden
- E Mr. J. M. Ross, Huntsville
- E Mr. Donald R. Saxton, Huntsville
- E Miss Sarah Scruggs, Guntersville
- G Mr. Herbert L. Sherrod, Tuscumbia
- G Mrs. Donald Snell, Huntsville
- E Mr. Lester Sparks, Huntsville
- G Mrs. R. P. Van Valkenburgh, Huntsville
- E Mrs. R. L. Vaughn, Birmingham
- S Mr. Mel Wallace, Birmingham
- E Mrs. Mel Wallace, Birmingham
- G Mrs. Giles P. Wetherill, Huntsville
- E Mrs. Earl Ziegenhagen, Birmingham

Mississippi

- E Mrs. George Adkins, Jackson
- G Miss Evelyn Barbour, Vicksburg
- E Mrs. C. E. Browning, Starkville
- G Mr. Halbert Cunningham, Crawford
- G Mr. Warren Greff, Sr., Jackson
- E Mrs. Everett Hughes, Jackson
- E Mrs. Hugh Johnston, Vicksburg
- E Mrs. M. M. LeBaugh, Columbus
- G Mrs. A. Clark List, Jackson
- E Mrs. Frank McCann, Jackson
- G Mrs. A. K. Primos, Jackson
- E Mrs. E. C. Ratliff, Jr., Clinton
- S Mrs. Reuben Sawyer, Jonestown
- G Mr. W. D. Shewmake, Greenwood
- E Mrs. W. D. Shewmake, Greenwood
- E Mrs. William H. Smith, Sartaria
- E Mrs. J. Ellis Taylor, Starkville
- G Mrs. H. P. Tipton, Horn Lake
- G Mrs. Littleton Upshur, Jackson
- E Mrs. B. L. Vincent, Meridian
- G Mrs. Eugene Woolfolk, Senatobia

England

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- H Mr. H. Castle Fletcher, London
- H Mr. H. Senior Fothergill, Kent
- G Mr. H. R. Jeffs, Morden, Surrey
- H Mr. Geoffrey L. Pilkington, Surrey

- G Mr. L. W. Brummitt, Oxon

Italy

- G Mrs. Flaminia Specht, Florence
- G Dr. Gian Luigi Sani, Florence

TWENTY-NINTH OFFICIAL SYMPOSIUM

American Iris Society

1968

Elsewhere in this *Bulletin* you will find your Official Symposium ballot, with instructions for voting and mailing. Below are listed the eligible irises.

Varieties Eligible for the Symposium—1968

Above All	Bluebell Lane	Charm School
Acorn	Blue Chiffon	Checkmate
After Dark	Blue Design	Chinese Coral
Air de Ballet	Blue Formal	Chinquapin
Alaskan Crown	Blue Leather	Christie Anne
Allegiance	Blue Mountains	Christmas Angel
All Eternity	Blue Petticoats	Christmas Time
Amethyst Flame	Blue Rejoice	Cinnamon Heart
Amigo's Guitar	Blue Sapphire	City of Porterville
Angelique	Blushing Beauty	Claudia Rene
Angel Lyric	Bon Bon Haven	Cliffs of Dover
Angel's Dream	Bon Vivant	Cloud Capers
Annabel Lee	Brass Accents	Cloudland
Antoinette	Bravado	Cocktail Time
Apropos	Brave Viking	Coffee Royal
Arctic Fury	Breathless	College Girl
Arctic Skies	Bristol Gem	College Queen
Arizona Sunset	Bronze Bell	Commentary
Arpeggio	Brother Ed	Compliment
Artist's Model	Butterscotch Kiss	Congo Queen
August Moon	By Request	Congo Song
Avis	Cambodia	Cooing Dove
Azure Accent	Camelot Rose	Cool Flame
Azure Stripes	Campus Flirt	Coraband
Babbling Brook	Canary Frills	Coralaire
Bang	Captain Gallant	Cora Lee White
Beloved Belinda	Carmel Kisses	Coral Elegance
Bengal Beauty	Carolands	Country Squire
Berceuse	Carolina Peach	County Down
Bermuda High	Carolina Ruby	County Fair
Bill Norman	Carved Alabaster	Court Ballet
Billowing Sails	Cashmere	Courtship
Black Charm	Catalina	Craftsman
Black Nitie	Cayenne Capers	Credo
Black Swan	Celestial Glory	Crinkled Beauty
Black Taffeta	Celestial Halo	Crinkled Gem
Blazing Violet	Celestial Snow	Crinoline
Blewett Pass	Celestial Swan	Cross Country
Blue Ballad	Ceramic Blue	Crystal Blue
Blue Baron	Champagne Music	Crystal River

Cup Race
 Daisy Powell
 Dancing Bride
 Dancing Rill
 Dark Fury
 Dashing Prince
 Dead Sea Scrolls
 Dear Bob
 Debby Rairdon
 Debonair Blue
 Debra Jean
 Deep Spell
 Delicious
 Denver Dawn
 Denver Mint
 Diamond Cup
 Diplomacy
 Distant Hills
 Doge of Venice
 Donnybrook
 Dot and Dash
 Dragon Lady
 Dream Maiden
 Dream Spun
 Easter Parade
 Easy Street
 Echo One
 Ecru Lace
 Ecstatic Night
 Edenite
 Eleanor's Pride
 Ellen Manor
 Elmohr
 El Monsour
 Emma Cook
 Enterprise
 Epic
 Esther Fay
 Ever and Ever
 Executive
 Fair and Warm
 Far Above
 Fashion Fling
 Favorite Topic
 Feather Fan
 Fifth Avenue
 Fire Magic
 First Courtship
 First Violet
 Flamenco Dancer

Flaming Dragon
 Flaming Heart
 Flapperette
 Flashing Gem
 Fleet Admiral
 Flirtation Waltz
 Floradora Flounce
 Fluted Haven
 Fluted Lime
 Fona
 Formal Affair
 Fountain Blue
 French Lace
 Frontier Marshall
 Frost and Flame
 Fuji's Mantle
 Gaily Clad
 Galilee
 Gay Geisha
 Gay Lights
 Gay Tracery
 Gem State
 General Mark W. Clark
 Gingersnap
 Glittering Amber
 Glowing Tiara
 Gold Citation
 Goldenaire
 Golden Chance
 Golden Chord
 Golden Filigree
 Golden Masterpiece
 Golden Mink
 Golden Plunder
 Golden Shoulders
 Golden Snow
 Gold Lightning
 Goodness
 Gracie Pfof
 Granada
 Granada Gold
 Grand Alliance
 Grandiflora
 Grand Spectator
 Green Illusion
 Gringo
 Gypsy Jewels
 Gypsy Lullaby
 Happy Birthday
 Happy Holiday

Harlan
 Harmony House
 Hawaiian Breeze
 Hawaiian Holiday
 Heartbreaker
 Heart of Night
 Heaven Sent
 Helen Keller
 Helen Traubel
 Henry Shaw
 High Above
 High Country
 High Esteem
 High Life
 High Praise
 Honeybird
 Honor Guard
 Hotsienna
 Idaho Centennial
 Imperial Lilac
 Inca Chief
 Indiglow
 In Orbit
 Irish Brogue
 Irish Linen
 Irish Lullaby
 Ivory Gown
 Jade
 Jailbird
 Java Dove
 Jealousy
 Jean Ann
 Jet Black
 Jet Fire
 Jewel Tone
 Jilby
 Judy Marsonette
 Juna Kay
 June Meredith
 Jungle Fires
 Just Heaven
 Kachina Doll
 Katherine J. McLain
 Kingdom
 King of Nepal
 Kissable
 Lady Mohr
 Latest Love
 Laurie
 Lavender Sparkle

Leda Knight
Lemon Tree
Leo Haven
Leora Kate
Letter From Home
Licorice Stick
Lightning Ridge
Light of Love
Light Up
Lilac Champagne
Lilac Festival
Lilac Snow
Lilting Melody
Limelight
Little Sheba
Lorna Lee
Lorna Lynn
Lovely Light
Lovilia
Lucille Tolman
Lula Marguerite
Lunar Fire
Luxury Fire
Luzon Crosby
Lynn Reid
Madame Butterfly
Mademoiselle
Mad Maid
Magic Morn
Mahalo
Main Attraction
Malacca Straits
Maricopa
Marie Phillips
Martel
Marvalon
Mary Randall
Mary Todd
Maudie Marie
May Melody
Meadow Snow
Melodrama
Merry Ripple
Midnight Shadows
Midwest Morning
Milady
Milestone
Millionaire
Mirth
Miss Illini

Miss Indiana
Mission Sunset
Modern Trend
Mohr Delight
Mollie Emms
Momauguin
Monte Sano
Monticello
Moon Crest
Moongate
Moon River
Morning Breeze
Mount Eden
Mount Repose
Mulberry Vine
Music Maker
My Jewel
New Frontier
Newport
Night Song
Nina's Delight
Nittany
Nob Hill
Nomo
Olympic Torch
One Desire
Orange Chariot
Orange Jade
Orange Parade
Orchid Brocade
Pacific Harmony
Pacific Panorama
Palisades
Parisian Blue
Party Doll
Patricia Craig
Patrician's Sweetheart
Pay Day
Peace Patrol
Picora Pink
Picture Pretty
Pierre Menard
Piety
Pink Castle
Pink Dresden
Pink Flurry
Pink Magic
Pink N' Pretty
Pink Torch
Pinnacle

Pinwheel
Pipes of Pan
Pirate Treasure
Polka Lace
Polka Time
Pomo Chief
Pompano Peach
Pongee Lace
Port Royal
Prairie Blaze
Pretty Carol
Prince Indigo
Queen's Favor
Quiet Sky
Radiant Apogee
Radiant Light
Rainbow Gold
Rainbow Valley
Raspberry Whirl
Red Slippers
Regal Ruffling
Reta Fry
Ribbon Round
Rippling Waters
Rocket Rust
Rococo
Romulus
Rosa Bledsoe
Roseanne
Rosecrest
Royalaire
Royal Fanfare
Royal Gold
Royal Tapestry
Royal Tara
Ruby Mine
Ruffled Valentine
Rumbling Thunder
Rusticana
Ruth's Love
Sable Night
Sable Robe
Saffron Jewel
Scarlet Ribbon
Seaborne
Seafair Princess
Seafair Queen
September Song
Shadow Waltz
Showmaster

Signature
 Sigrid
 Silver Peak
 Silver Trail
 Silver Wedding
 Sing Along
 Sir Gordon
 Siva Siva
 Skydiva
 Skywatch
 Small Talk
 Smart Set
 Smoky Mountain
 Snow Goddess
 Soaring Kite
 Sophisticate
 Sound of Music
 Southern Comfort
 Spanish Affair
 Spanish Gift
 Sparkling Champagne
 Sparkling Waters
 Speak Softly
 Spice Island
 Splash O' Pink
 Starchy Sue
 Stepping Out
 Sterling Silver

Summer Hills
 Sun Country
 Sunlit Lace
 Sunny Splendor
 Sunset Blues
 Sunsite
 Superlotion
 Swahili
 Swan Ballet
 Symphony
 Tahiti Sunrise
 Tam Lin
 Taste of Honey
 Tawny Mink
 Tea Apron
 Teacher's Pet
 Techny Chimes
 Top Dollar
 Torch Bearer
 Touch of Elegance
 Treasure Trail
 Trisha
 Triton
 Tropic Isle
 Trudy
 Truly Yours
 Tyrolean Blue
 Ultrapoise

Utah Valley
 Valimar
 Vesuvius
 Village Green
 Violet Harmony
 Visiting Nurse
 Wandering Rainbow
 Warlock
 Wayward Wind
 Wenatchee Skies
 Wenatchee Valley
 Western Sun
 Western Welcome
 White Frosting
 White Pride
 White Taffeta
 Whole Cloth
 Wild Apache
 Wild Ginger
 Wild Mustang
 Wild Peacock
 Wild Plum
 Wine and Roses
 Winter Olympics
 Winter Pageant
 Xmas Fires
 Yes Sir



Bennett Jones, Mrs. Helen Von Stein-Zeppelin, Connie Kendall and Robert Schreiner among Jones seedlings. (Photo by Bob Jones.)

LINGER AWHILE

JOSEPH GHIO

San Francisco, Monterey, Lake Tahoe, Reno, Las Vegas, Carmel, Yosemite, the Sierras, towering redwoods, citrus and olive groves, graceful palms, rugged seashore—these are but a few of the scenic wonders and delights which are available in Region 14—host of GOLDEN GATE IN '68, the 1968 National AIS Convention. Region 14 encompasses a huge area which includes the entire state of Nevada and the northern two-thirds of the state of California, an area in excess of 200,000 square miles! Nature has endowed this region with as varied a landscape and climate as you will find anywhere in the world—so linger awhile and enjoy it.

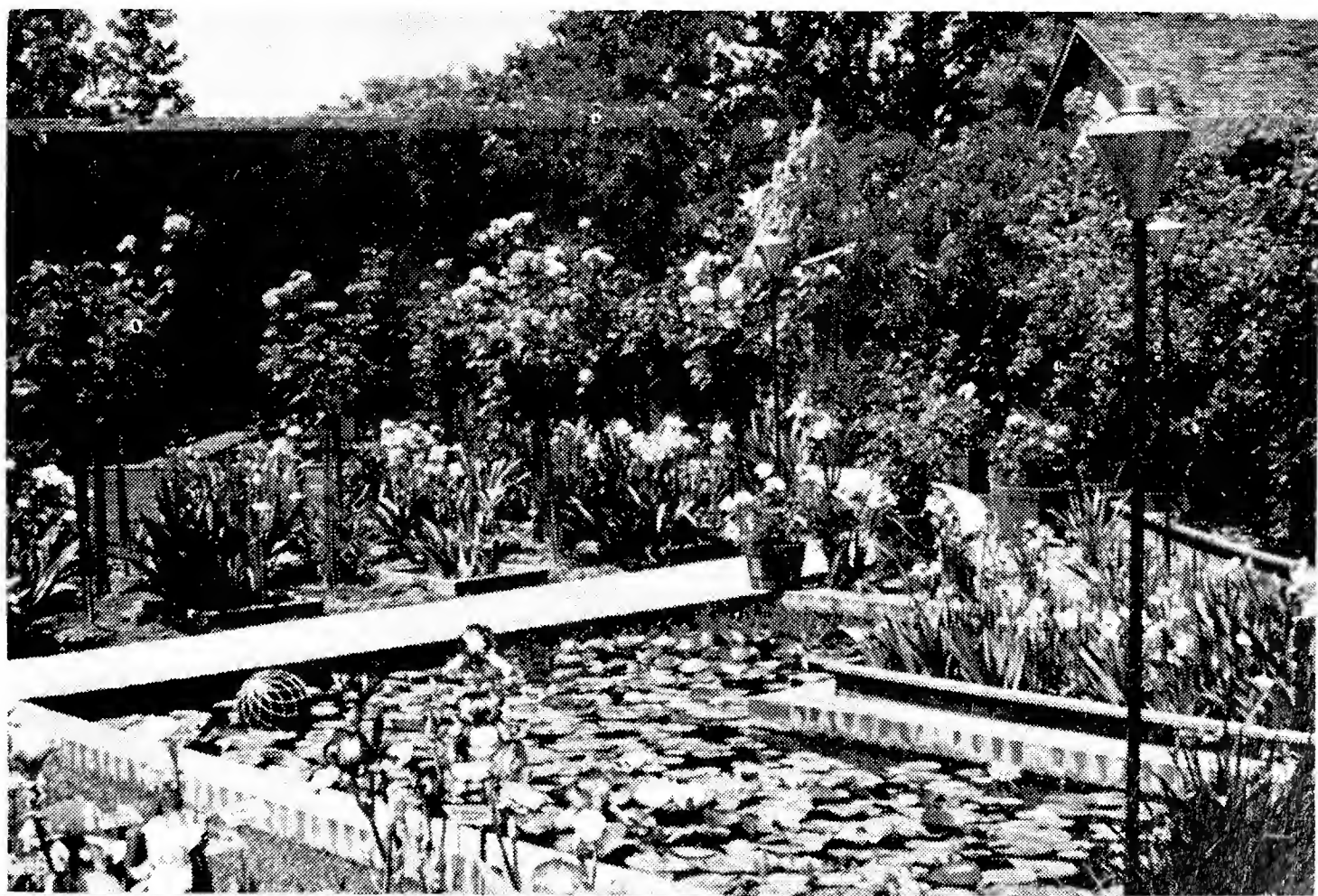
The 1968 National Convention dates are Monday, April 29, to Thursday, May 2. Why not plan to arrive a bit before the meeting and stay awhile after it? Within Region 14 are numerous iris gardens which welcome visitors. Some of today's top hybridizers are doing their work here, and welcome you to view their developments.



Glenn Corlew's Garden
(Picture by James Whitely)



Tom Foster's Garden
(Picture by James Whitely)



Dunn's Garden
(Photo by James Whitely)



GOLDEN GATE

IN '68

or BUST!

**The 1968 Convention
of the
American Iris Society**

WESTWARD HO!

To the land of green and gold . . .

- Monday, April 29. Registration; leisure viewing of the Claremont planting. Shuttle bus to the University of California Botanic Garden, site of the National and Regional Test Gardens, and the Robert Brown Garden in Berkeley. Evening Welcome Dinner.
- Tuesday, April 30. Bus tour to the University of California, Davis Botanic Garden and the Sacramento area gardens of Quadros, Carnahan, Dunn, and Gottardo. Lunch served.
- *Wednesday, May 1. Bus tour to the second main planting at Melrose Gardens in Stockton and the Walnut Creek gardens of Corlew and Foster. Lunch served.
- *Thursday, May 2. Bus tours to the Southern Alameda County gardens of Hutchings, Luihn and Gaulter. Afternoon free; Evening banquet.

*These are switch dates with half the conventioners going to Stockton and the other half to Southern Alameda one day and reversing the trip the next day.

Registration Fee:	Before April 1, 1968	\$42.50
	After April 1, 1968	\$47.50

Mail Registrations to:

Mr. Frank L. Crouch
1811 San Pedro Avenue
Berkeley, California 94707

Due to tight scheduling, busses will be flexibly assigned, so indicate passenger preference, if any. Make checks payable to AIS—Region 14.

BE A SIXTY-EIGHTER!

TWENTY-NINTH OFFICIAL SYMPOSIUM

American Iris Society

1968

This is your ballot for the Twenty-ninth Official Symposium to determine the One Hundred Favorite Irises for 1968. The list, found on pp 50 ff in this *Bulletin*, was compiled by combining the following lists:

The top 100 varieties in the 1967 symposium.

The Dykes Medal eligibility list of 1968, TB only.

The AM eligibility list of 1968, TB only.

The HM winners of 1967, TB only.

Every member of AIS may participate in this balloting. To vote, carefully observe the following instructions:

1. Do not vote for any iris you have not seen growing in a garden, and in bloom.
2. Write the names of your 25 favorites in the blanks on the opposite side. Do not vote for more than 25, though you may vote for fewer.
3. You may vote for five varieties not listed. This is in addition to the 25 selected from the list.
4. Your ballot must be mailed to your REGIONAL VICE PRESIDENT before JULY 1 in order to be counted. Get name and address of your RVP from page 4 of the April 1968 *Bulletin*. DO NOT MAIL TO ST. LOUIS OR TO THE AWARDS CHAIRMAN.
5. Sign your ballot, and send first class mail.

Name

Address

City and State

YOU MUST MAIL THIS BALLOT BEFORE JULY 1 TO BE
COUNTED.

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| 2 | 22 |
| 3 | 23 |
| 4 | 24 |
| 5 | 25 |

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WRITE-IN VOTES

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This ballot is for the second member of a family membership. The same instructions apply:

Name

Address

City and State

YOU MUST MAIL THIS BALLOT BEFORE JULY 1 TO BE
COUNTED.

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WRITE-IN VOTES

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HOTEL CLAREMONT RATES

Singles	\$10.00	\$12.00	\$14.00	\$16.00	\$18.00
Doubles	\$14.00	\$16.00	\$18.00	\$20.00	\$22.00
Suites	\$25.00	\$30.00	\$35.00		

*all the above are day rates

Reservations must be in no later than ten days prior to the convention date (i.e., April 19) and accompanied by a \$10.00 deposit. All reservations for hotel rooms must be addressed to the attention of

Mr. E. P. Redfearn, Resident Manager
Hotel Claremont
Oakland/Berkeley, California 94705

The Claremont has only a limited number of rooms which will be assigned on a first-come, first-serve basis. When filled, conventioners will be assigned to nearby hotels by the Claremont.

SECTION MEETING TIMES

Monday, April 29.	10:30 AM	Japanese Iris Society
	10:30 AM	Siberian Iris Society
	1:00 PM	Dwarf Iris Society
	3:00 PM	Reblooming Iris Society
	9:00 PM	Median Iris Society
Tuesday, April 30.	7:00 PM	Spuria Iris Society
	9:00 PM	Aril International Iris Society
Wednesday, May 1.	7:00 PM	Judges Training Course followed by a slide program



To help the conventioneer plan an itinerary, here are some of the normal peak TB bloom dates in centers of iris activity. It should be mentioned that not only is there much tall bearded activity, but also extensive plantings and breeding of all types of irises. Different species bloom dates vary from the tall bearded dates as they might in other areas. So, if you wish to see arils (the Redding-Chico area is a hotbed of activity), medians, spurias, Japanese, Siberians (extensive work is being done with these four types in the Sacramento-Stockton area), plan your travels accordingly.

Median-TB Bloom Dates in Various Areas

April 15-25—Southern Nevada and Southern San Joaquin Valley, including such areas as Porterville, Visalia, Tulare and Las Vegas.

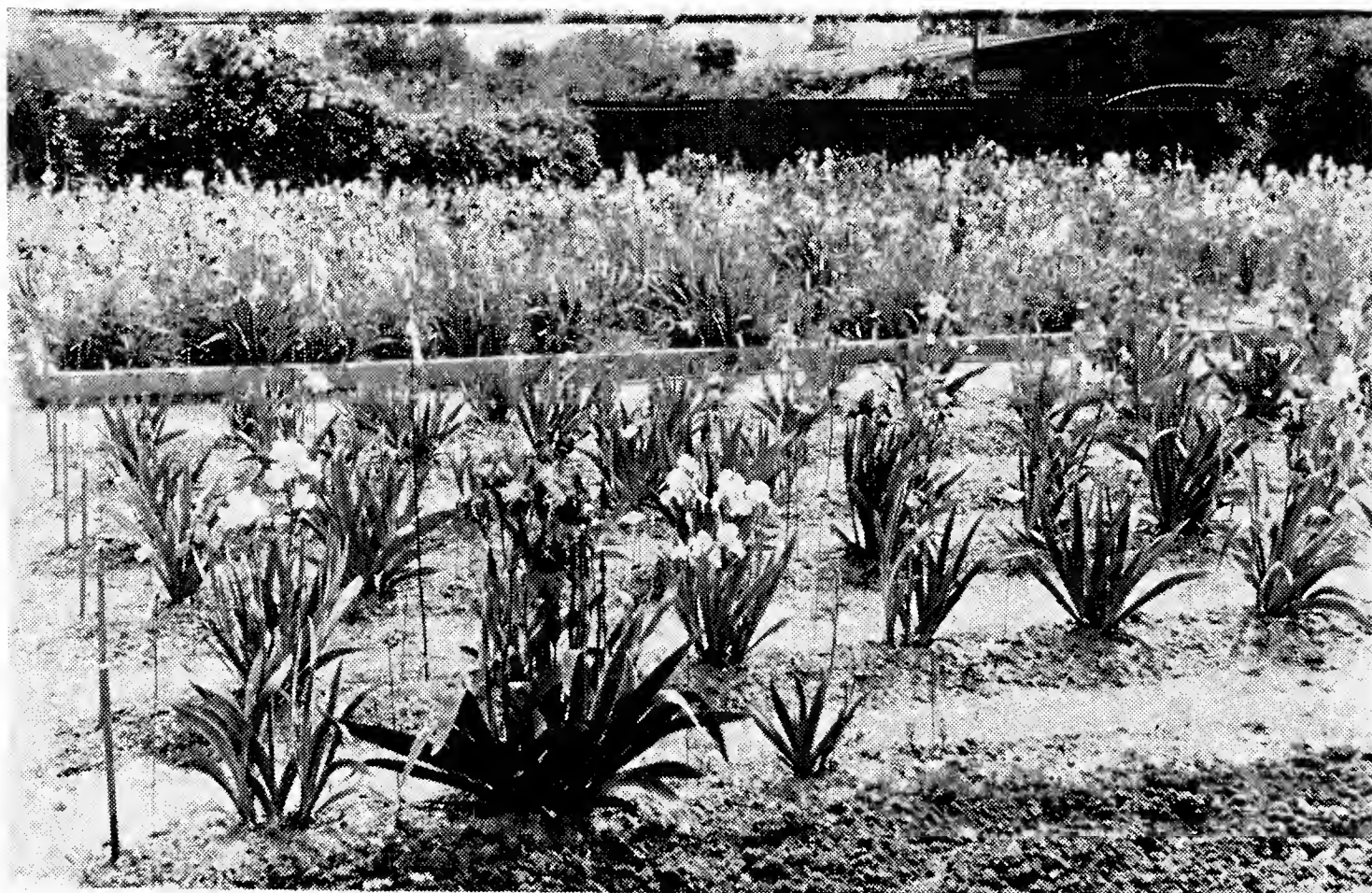
April 20-30—Northern San Joaquin and Sacramento Valleys including Stockton, Sacramento, Chico, and Redding.

April 25-May 5—Coastal points including San Jose, Santa Cruz, Hayward, Castro Valley, and Walnut Creek.

May 5-15—Northern coastal areas including Potter Valley.

Region 15 has scheduled its Regional Convention at our southern border to fit in with our schedule. The Region 15 meeting will be held in the Wasco-Bakersfield area on Sunday, April 27.

We are planning many activities for you, but the area has even more to offer. Take advantage of it! A tour group of some one hundred persons from New Zealand and Australia plan to attend the Convention. **GOLDEN GATE IN '68** will be a time to remember, but for an even greater time, linger awhile!



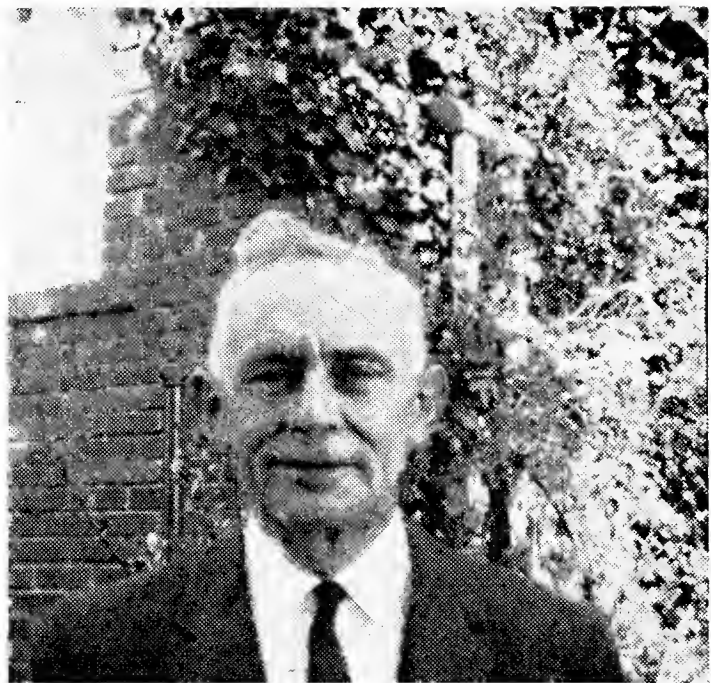
Walt Luihn's Garden
(Picture by James Whitely)

GOLDEN GATE IN '68

NINE NEW RVPs

REGION 3

William T. Hirsch has been an irisarian for about sixteen years. He and his wife Jan share their gardening hobby and it extends into many other areas of horticulture including rock gardening. Bill has been an active member of the Delaware Valley Iris Society for several years, serving as its president for four. He is a graduate of Drexel Institute of Technology and has been with the Atlantic Richfield Company for 34 years. His iris society has had to share his available time with his professional society



Along the Iris Trail in the Southwest

By PERRY L. PARISH

Ever anxious for the bloom of the iris, we Sooner irisarians made a run across the Red River into Texas this past spring for a preview of the irises that would bloom in our own gardens some ten days later. "WILD MUSTANG" country might be aptly applied to this part of Texas, as this grape-red blend iris was performing gloriously in its home garden of Z. G. Benson, as well as various other parts of the country where I saw it in bloom. WILD MUSTANG also has good branching, form and color.

I visited some seventy iris gardens this past spring in Oklahoma, Arkansas, Texas, Kansas and Colorado, and the irises I list below are those I saw performing well in two or more sections of the country. I also laid over in Denver after the convention and was rewarded by a return trip to the Long Garden in Boulder, the Denver Botanic Garden and the Wedow garden in Denver.

DEBBY RAIRDON (Kuntz). A tremendous milky white with the edges of the standards and the back of the falls creamy yellow. Good substance with wide flaring falls. One of the most popular where it was growing. Everyone should grow this one.

MOON RIVER (Sexton). A smooth golden yellow self. Exceptional bud count and it has superb branching, which is a trademark of all Sexton irises. Beautiful form

FIRST SNOW (Sexton). I only saw this at the Ray garden in Little Rock, but it was so terrific I had to note this white self had everything going for it, including form, substance, texture and, of course, branching.

REGION 4

Frank C. Sherrill is a native of Cornelius, Ga., and attended Davidson College, was graduated from Duke University, and attended Columbia University. His business always has been textiles and banking. He is married to the former Elizabeth Fulghum, and they have two sons and one daughter, and ten grandchildren.

Frank always has grown things—dogs, chickens, and flowers — but when he had his first iris many years ago he dropped everything else. He has held offices in the Charlotte Iris Society, the North Carolina Iris Society, and AIS; and he has enjoyed these activities, but conventions are his forte.



CREDO (Babson). Different and good: A velvety maroon self with a brownish tipped beard. Ruffled, wide falls which flare. Strong stem and good branching.

GOLD CITATION (M Olson). A white area is in the falls of this light yellow beauty. The smooth falls are ruffled. Vigorous and heavy increaser.

MAY MELODY (Hamblen). An iris with real flower power. This harbinger of spring with its yellow standards and white falls bordered with yellow has a red beard. It has flaring falls and blooms from the first of the season until the end. Well-branched **MAY MELODY** is prolific in bloom and increase. An eye-catcher.

JILBY (Gaulter). A winner! This deep orchid to purple self is highlighted with a brilliant orange beard. Excellent branching with wide flaring falls. Ruffled with heavy substance. **JILBY** was exquisite on the show bench with three open flowers and also in each garden where she was in bloom.

LAURIE (Gaulter). A lilac-pink with wide falls and wonderful substance, with three buds per socket. A fine performer. Named for another of Larry's granddaughters. These namesakes bear a mark of excellence and Larry tells me he has many granddaughters so we can expect more of these beautiful performers.

JAVA DOVE (Plough). Described by an iris friend as resembling a king-size scoop of vanilla ice cream and good enough to eat. Smooth and luscious is this flower of creamy white standards and vanilla-pink falls. Superb form and substance. Popular.

PRINCE INDIGO (Schreiners). Regal in every respect. A deep pansy-violet with large flowers. Branching is excellent, but count is good and a heavy increaser. Blooms profusely.

REGION 6

Elsie A. Zuercher is a typical back-yard iris gardener whose garden has gradually taken over the entire yard! Her daughter Sandra, 21, claims there is no longer a place to sun-bathe, and the boys (27 and 23) complain that there is no place even to wash a car! Husband Jephthah's theme song is "Where are you going to put it?" but daughter Kathy and granddaughter Lori help by taking some of the surplus. By vocation she is a school librarian and materials specialist with degrees from Indiana and Ball State Universities. She has served as president of the Iris Growers of Eastern Indiana and of the Northeastern Indiana Iris Society and as secretary of Region 6 and editor of the regional Newsletter. She is currently



vice-president of the Dwarf Iris Society and the editor of the Dwarf Society Portfolio. Some 600 TB irises, 300 plus miniature dwarfs, and almost as many median, Siberian and spuria varieties with a goodly number of peonies, daffodils, hosta, and hemerocallis furnish relaxation after a day at school.

LEMON TREE (Bennett Jones). Clear light yellow self. This beauty is well-branched and bud count is terrific. An excellent performer with great garden value.

AVIS (Steve Varner). I saw this only at Denver, but this bicolor is a beauty which is different and appealing. The violet markings in the standards attract one to this large white iris with violet veinings in the falls. Good form and branching. A standout.

FLAMING DRAGON (Fay). A perfectly smooth orange self with domed standards and wide flaring falls. The best orange I have seen. It far outshines its famous sisters in performance, growth habits and branching. Magnificent form and substance. Good bud count.

LILAC CHAMPAGNE (Hamblen). The belle of the garden. I think everyone who saw it put it on his want list and well they should. This well-formed bicolor has light yellow standards and violet blue falls. Wide falls, smooth falls and good branching makes this lovely a real star. Increases like mad.

DENVER MINT (Knopf). A delightful dresden yellow with wide falls and heavy substance. A good doer on the show bench and in the garden.

SEABORNE (Palmer). A large ruffled medium blue. Good form and heavy substance and flaring falls makes this one exceptional. It has a white-tipped lemon beard.

RADIANT APOGEE (Gibson). This pert plicata with yellow standards and white falls bordered yellow with brown markings at the hafts makes one

REGION 8

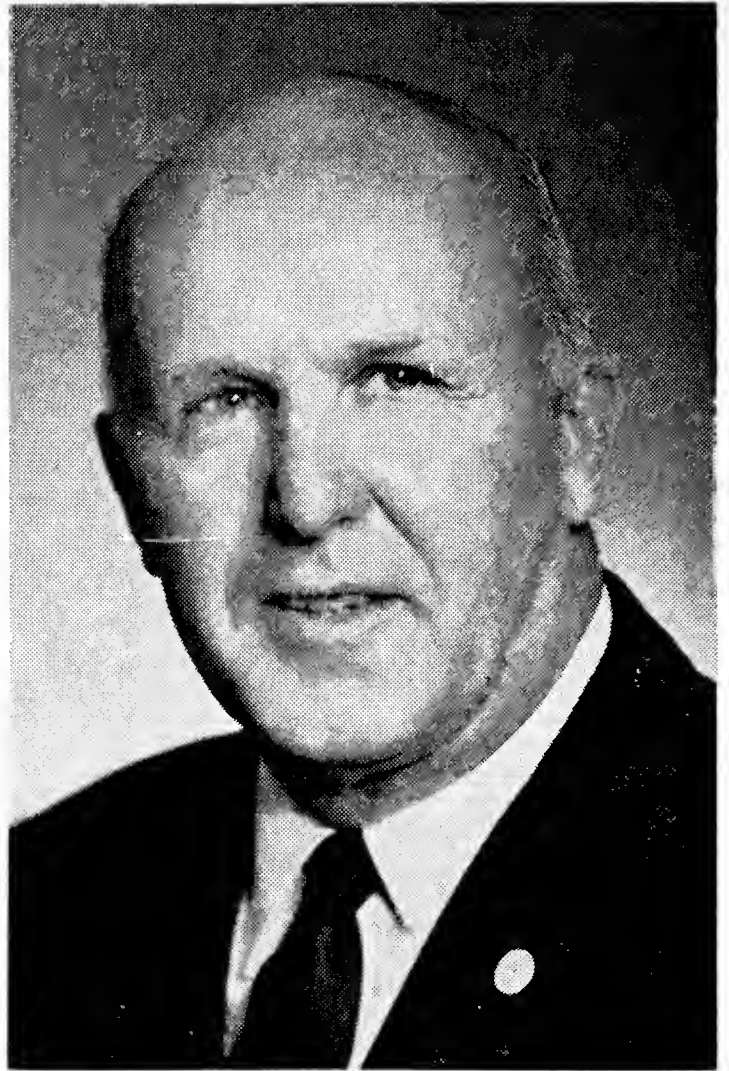
Clarence Protzmann has served as president of the Wisconsin Iris Society, and is the convention chairman for the 1969 meeting of AIS.

His first appreciation of irises came with his graduation from elementary school, when the room was banked with large bouquets of irises. He purchased such early varieties in the 20's as RHEIN NIXE, LORD OF JUNE, LENT A. WILLIAMSON, and PALLIDA DALMATION. He says that it was not until the late 50's that he became really bitten by the bug, and for the past six years has done considerable hybridizing, purposely making some wide crosses to observe results. An HC on one his originations stirred him into a stepped up activity, he remarks.

He shortly will be retired as a first lieutenant of the Milwaukee Fire Department, but we are confident that his activities as convention chairman and RVP will take up the time lag.

The Protzmans have one son, an attorney in Madison, and one grandson.

He invites all of us to enjoy the "Gemuetlichkeit of Iris Time—in Milwaukee come '69."



take a second, third and even fourth look. The best yellow plicata out, and like all Gibson irises, RADIANT APOGEE is vigorous and a heavy increaser.

DRAGON LADY (O. Brown). Different, intriguing and exotic is this iris with greenish buff standards and falls. The dominant brownish beard and slightly arched falls set this one apart. High bud count and well-branched. Heavy increaser.

LIGHTNING RIDGE (O. Brown). Something new and pleasing. It has peach-pink standards with a hint of orchid, and broad falls of rosy violet, with a bright red beard. Excellent branching and form. A full sister, GLACIER SUNSET, is equally delightful.

CAMELOT ROSE (Tompkins). A bicolor that is charming. It has rosy pink standards with wide rosy red-violet falls which are ruffled. Gardenia like substance and a red-orange beard will make this one great on the show bench as well as in the garden.

ROYAL GOLD (Hamblen). A golden self with great form, heavy substance and good branching. ROYAL GOLD was a hit from Wichita Falls via my Oklahoma City garden to the Little Rock showbench.

ROYAL TOUCH (Schreiners). Brilliant! Magnetic! This pansy-purple self with its wide smooth falls has superb branching and substance. An im-

REGION 9

Steve Varner, the owner of Illini Iris of Monticello, Ill., is a combat retired army Major, and has been awarded the Distinguished Service Cross and the Silver Star. He and Mrs. Varner have four sons.

Steve was educated in animal breeding and feeding, but health dictated a change to laboratory research with VioBin Corporation. Flower breeding as a hobby supplanted the livestock, except for riding horses.

The Varners' grow a few of all the kinds of irises that are climatically happy in their gardens, but tall bearded irises predominate. They will have about 10,000 seedlings with their first bloom next spring. Additional hybridizing includes tetraploid hemerocallis, peonies, clematis and lilacs.



mediate hit. Vigorous grower and a heavy increaser. Handsome.

BEWITCHING (Lyon). This rosy pink self has not been introduced. Enchanting and bewitching, it is. It opened with three blooms on perfectly branched stalks on two different occasions in my garden. It was too late for most visitors to see, but those who did see it were most impressed by its beauty and performance.

ESTHER THE QUEEN (Eugene Hunt). Sundt's 5631: sib to ARDMINAR (ARDUM X IB-MAC) X KALIFA GULNARE). Exotic as the beauty namesake that charmed the king of ancient Persia. She has bluish green standards and her falls are willow-green with a spot of brownish maroon which serves as a base for her blackish beard. Really great. The seedling number was ORB 64-1.

Of all the gardens I visited, the seedlings of Tom Munger and Mrs. Mollie Tallant were the best I saw anywhere. Munger's 66-4-H has amber yellow standards with rosy violet flared and ruffled falls, a yellow beard and a faint border of amber around the falls. It has fine substance and excellent branching. It is out of (MEMORIES X WHOLE CLOTH) X GYPSY LULLABY. This one will beckon you to it across a crowded garden. Munger's 66-1-A is a most elegant, regal iris. The standards are sky blue with rosy heliotrope falls, flared and finely ruffled. The beard is the color of the falls tipped blue. Very heavy substance and good branching are possessed by this iris with its parentage being (BLACK TAFFETA X DUTCH DOLL) X MELODRAMA. Mrs.

REGION 12

Bion Tolman has been interested in irises since 1938 when he used to slip away from the Sugar Beet Research Station and visit Herman Thorup's garden. These were the days of CALIFORNIA GOLD, THE RED DOUGLAS, FRANK ADAMS, MISSOURI and other old timers which were famous in their time. He later became a director of the Utah Iris Society and served in such positions as show chairman, program chairman, and as President of the Society. Mr. Tolman has visited iris gardens throughout Utah, Washington, and Texas and has visited with hybridizers in England and Holland.

He started hybridizing in 1950 and has registered and introduced ten tall bearded varieties. The best of these, LUCILLE TOLMAN and PACIFIC WATERS, are receiving acclaim from iris judges.

Mr. Tolman takes many colored slides in gardens throughout the western area and gives slide programs on irises and iris breeding each year. He is an accredited garden judge and has indicated that he wants to do everything he can to raise the quality of iris judging in region 12.

Mr. Tolman has an M.S. Degree in plant breeding and directs an extensive agricultural research program for the Utah-Idaho Sugar Company. He is Vice President in charge of Agriculture and works with farmers who raise sugar beets throughout the west. He was recently given an "Award of Merit" for his services to the sugar beet industry.

Mr. Tolman is married to Lucille Morgan and they have six daughters and fifteen grandchildren.



Tallant's 66-26 is a gorgeous blue that one might expect from POET'S DREAM X PACIFIC PANORAMA. One of the widest, most ruffled blues you will find, and truly a dream.

Those who are "California or bustin'" along Route 66 through Oklahoma City are extended a special invitation to visit my garden. I live nine blocks due north of Highway 66 and I am growing 95% of the irises I have listed above, in addition to thirty 1967 introductions, sixty-eight 1966 introductions, eighty-four 1965 introductions, and am guesting many seedlings from well-known hybridizers.

GOLDEN GATE IN '68

REGION 14

Glenn F. Corlew grew up in the foothills of eastern Fresno County, an area settled by his grandparents during the early days of California. Several mountains, lakes and canyons in the region bear the names of various branches of his family. Glenn served in the Navy during World War II and later continued his education at Milligan College (near Johnson City, Tennessee) where he received a BA in Business Administration in 1948. It was also at Milligan that he met his wife, the former Nell Slay of Newland, North Carolina. The Corlews have two sons, C. Curtis II and Stewart Alan, ages 14 and 11.

Shortly after graduation from Milligan, Glenn joined the Pacific Gas and Electric Company where he is currently employed as a Personnel Assistant for the Construction Department.

Iris first entered the life of the Corlews in 1953 when Mrs. H. P. Kimzey gave them a small collection for the garden of their new home. Two bee pods formed the following year and therein the career of another hybridizer was launched. The step from bee pods to planned crosses came in 1955. From that time until the introduction of CAROLANDS and SIGNATURE in 1965 a large number of seedlings found their way to the compost pile.

Glenn has taken an active interest in Region 14 affairs and is a past president of the Sydney B. Mitchell Iris Society and the Mount Diablo Iris Society.



ONE WAY OF GROWING IRISES IN NEBRASKA

LES HILDENBRANDT

We live on a farm northwest of Lexington, Neb., in the wide fertile Platte River valley, so we have plenty of water for irrigation. Our soil is a heavy sandy loam that is very easy to work. The last two years our soil pH has lowered an average of two to three points according to soil tests taken every year. It now runs between 6.6 and 7.0. We have good drainage, so we don't worry about water standing on the irises too long.

Our weather is very changeable. The first frost is usually around the first of October, and the last frost comes as late as the first of May. The last two years we have had several hard freezes in May after the irises had

REGION 18

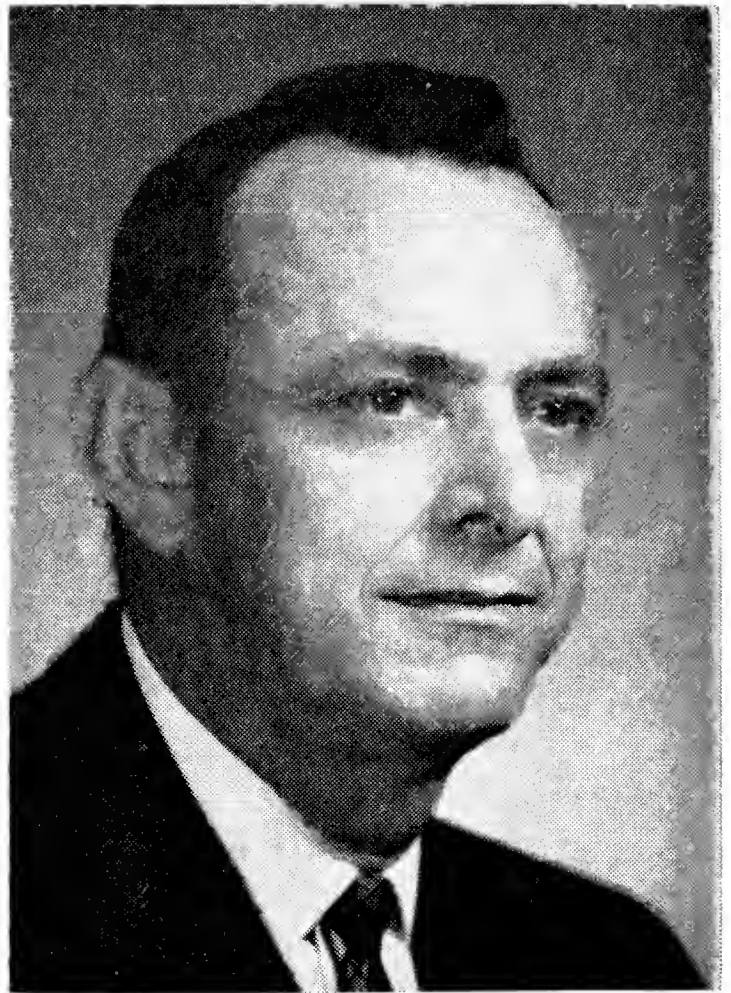
Russell Morgan was reared on a farm where he developed a love for nature. He has a deep affection for trees, shrubs and flowers and grows many new and unusual varieties.

He and his wife, Ruby, have been growing iris for more than 20 years and have been members of the American Iris Society since 1960. Both are garden judges and have attended six of the past eight national conventions. They have been contributing members of the Wichita Area Iris Club and more recently the Parsons Iris Society where he is now serving as its president.

They moved from Wichita to Parsons in 1965 where professionally he is superintendent of a power generating plant. Russell and Ruby have constructed their home on a 50-acre tract and have landscaped it with

trees, shrubs and more than 600 varieties of bearded iris including tall bearded, medians, dwarfs and species and a few spurias, Siberians and Japanese varieties.

His hobbies include rock Indian artifact, coin and stamp collecting and the propagating and growing of ornamental trees and shrubs. He plans to do more hybridizing in the future.



started to bloom. The last freeze has been in the third week of May, and has stopped bloom on many early varieties of tall bearded and arilbreeds. It also has damaged some of the plants. During the winter months the temperature will vary from the 70's to 20 degrees below zero, so we have a lot of freezing and thawing. Even though we lose some bloom from the original fan, we have a lot of bloom from the increase. The temperature during bloom season—May 10 to June 10—may vary from the 30's to 100 degrees or more. The highest temperature in 1967 was during the first week of May, and the only time it was over 100 degrees during the year. We have as much wind during bloom season as any other time of the year. Our irises do not have much protection, so really take a beating on hot, windy days.

Our average moisture for the year is around 25 inches. Very seldom do we have snow cover which lasts all winter. We are usually short of rain during the summer months, but have plenty of water to use any time it is needed.

Most of the irises we grow—tall bearded, arilbreeds and medians—are divided every year, and all receive the same treatment. All first-year plants are mulched with corn husks or some other coarse material. To keep this from blowing, we use boards or anything else available to hold it in place.

REGION 22

Perry L. Parrish, a native Sooner, has grown irises for 17 years, and currently grows about 550 varieties. He is a graduate of the University of Oklahoma, where a required course in botany instilled a life-long interest in plant life. He is associated with a heavy equipment construction company.

Mr. Parrish was the winner of the national membership contest this year, and has held an imposing list of offices in Region 22, including the editorship of the Region 22 News, the chairman of the Will Rogers Park Iris Display Garden, show chairman, finance chairman, and chairman of public relations and publicity. His other hobbies include water skiing, coin collecting, stamp collecting and traveling.

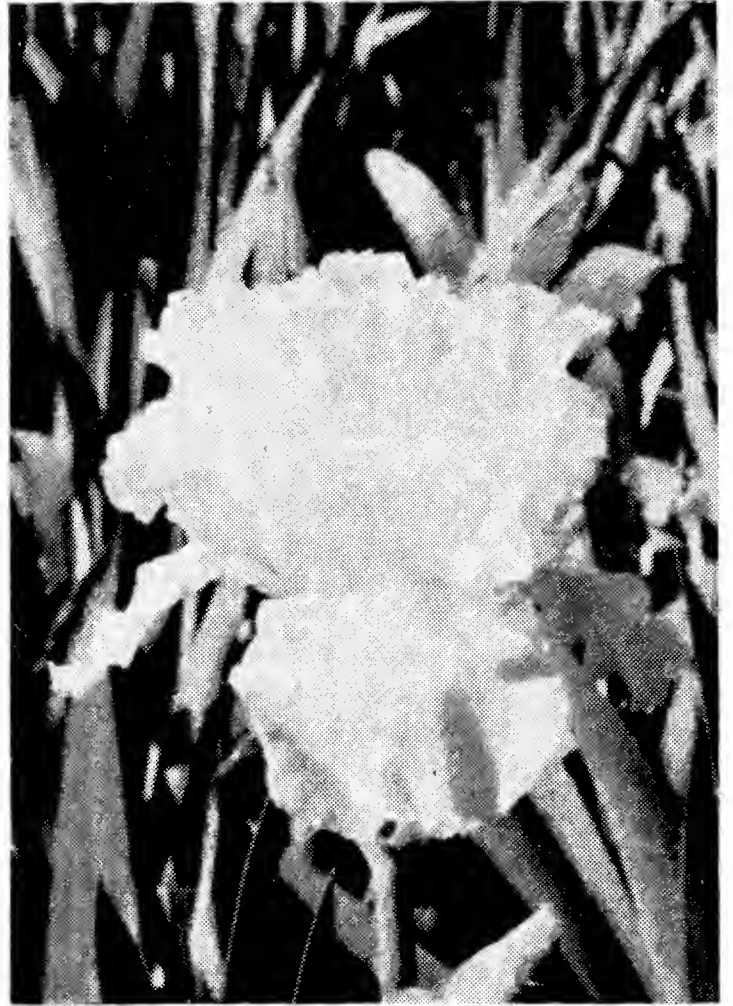
Mr. and Mrs. Parrish have two daughters, one a 15-year old and one a teacher in the Oklahoma City public schools.



The arilbreds and the newer tall bearded and medians are planted in beds about 8 feet wide and 120 feet long, containing three 30-inch rows or four 26-inch rows, with plants about 12 to 14 inches apart in the row. The center row of the three-row beds is planted with Oriental poppies. This fall we left some of the arilbreds for two-year clumps to see if there will be any difference in frost damage. Every other plant was removed so they wouldn't be too crowded. Many of these plants have 6 to 8 increases, so they will be nice sized clumps next year.

The beds are not raised, as there is plenty of slope to insure good drainage. Where possible, each bed is worked first with the large tractor mounted rotavator to a depth of 7 to 8 inches. Then we work about a bale (6 cu. ft.) of peat moss, 6 to 7 cu. ft. of sand, and an 18-inch band of commercial fertilizer into each row, as far ahead of planting as possible, with the small garden tiller. It is then raked and packed so the row itself is raised 1 to 2 inches. The fertilizer used is a mixture of nitrogen, phosphate, potash and all the necessary trace elements needed according to soil tests. We water to settle the soil, and plant while the soil is still moist, then water again to settle soil around the plants. I like straight rows, so we use a wire to mark out the rows. I make an inverted "V" with a shovel, and place plants on this with roots spread out on both sides. The rhizomes are covered with at least a half inch of soil.

As soon as the ground is dry enough to work after planting and watering, we spread a band of systemic insecticide along each side of the row, and



Wolff-Hildenbrandt Border Bearded

DEE JAY

CAROL'S CRUSH

work it into the soil with the cultivator. We apply this systemic insecticide again in the spring on all the plants before the first cultivation.

Our older varieties are planted in 38 to 40-inch rows, so they can be cultivated with a garden tractor. For the narrower rows I use a hand cultivator with either a 7 to 8-inch blade or a five-tooth attachment. This is not hard to push, and you can get closer to the plants. Also, it can be used sooner after a rain or irrigation.

Most of the watering is done by making a shallow ditch between each row and letting the water run long enough to soak over to the plants. We never let the irises get too dry.

The last two years we have used Dacthal, a herbicide, to help control grass and weeds, but still have to use a hoe to get all the weeds in the row. When planting, we always face the rhizomes in the same direction to make it easier when hoeing.

As far as disease control goes, we haven't had any spray program which seemed to do any good. When we find a plant with rot, we just clean it up, and let the sun do the rest. Unless the plant is too far gone when we see it, it usually survives. Of course, if we have a good supply of the variety, we dispose of the plant.

We grow around a thousand varieties of irises, adding around a hundred newer varieties every year, and discarding about the same number of the older ones and those which don't come up to our standards.

(Editor's note: We asked Les Hildenbrandt to write this article to show one of the bigger iris operations. Different soil and climatic conditions in other sections of the country will call for some alterations of the program).

IRISPHILATELICS

by RALPH GEYER

The iris hobby can have many facets to hold your interest throughout the year. Although many lobbyists are mainly interested in trying to outdo their fellow enthusiasts by having more of the latest things in their garden than others, there are many other ways of cultivating this hobby. There is hybridizing, iris photography, iris geneology, name collecting for future world-beaters, robin letter writing, collecting iris artifacts and many, many more things that your imagination will allow.

I, for one, found an interesting side hobby, when I happened to find a stamp portraying an iris while looking over my mother's stamp collection last summer. It was from Afghanistan. I decided that if a small country in central Asia would issue a stamp displaying an iris, then surely there must be others. So I started some research and found to my delight that there were numerous countries that felt my favorite flower was worthy of being honored with a postage stamp.

The actual research consisted of carefully going through the Standard Postage Stamp Catalogue 1967, Combined Edition, published by Scott, New York. This is to stamps what the AIS Check List is to irises. It is made up of some 2100 odd pages and the printing is quite small. My arms, being about six inches too short to read the small print, necessitated the help of a magnifying glass.

After carefully scrutinizing each page, I found that in Europe, Africa and Asia, there were 16 countries (with a total of 18 stamps) that have issued stamps with irises on them. This does not include an air mail stamp issued in 1946-47 by France, depicting the Goddess Iris and a rainbow, which definitely adds something extra to my collection of iris stamps.

Now, with the research done, the real search began, the accumulation of the collection. The first stamp was the easiest one to get. It was from Afghanistan and it came out of my mother's collection. The rest proved a little more difficult. I was able to find a few in a local stamp store, but many I had to get through mail order dealers. This is not as easy as it sounds because you have to write to many different ones to find those you actually want. Even then, it is sometimes impossible to find them. I was having a difficult time getting my hands on the issue from Lebanon. It is not an expensive stamp, but none of the local dealers had it, and each mail order dealer I contacted responded, "Sorry, cannot supply". One day, in the stamp store, I was crying the blues that my collection just wasn't complete without this one stamp. A sweet little old lady customer next to me said she thought she had one at home, and sure enough, the next time I went into the store, there was my elusive Lebanon waiting for me. There was no charge, and not even the name and address of my good Samaritan to send my thanks to.

With all my careful research I had made some goofs. The local dealer found me an iris stamp from Russia I had overlooked. This I cannot quite understand because Russia has only issued some 3300 odd stamps that take up only 55 pages of the stamp catalogue. No harm done though; it still ended up in my collection.

Another time I discovered a set of flower stamps issued by Mongolia and, there in all its glory, was an iris stamp. This was not on my research list because Scott does not list recent Mongolian stamps. Scott only lists stamps and countries recognized by the International Postage Union, and Mongolia is not recognized. As a point of interest, Scott also does not list a few countries that the U.S. Government does not recognize, such as Cuba, Communist China and North Viet Nam.

I also found another stamp from Afghanistan that for some reason is not listed in Scott, but is listed in Minkus, a publication similar to Scott. By this time I was quite convinced that my collection was complete. Then, in February of 1967, Hungary issued another set of flower stamps with an iris in it. This brings my complete set to a total of 22 stamps, issued in 19 countries.

Most of the iris stamps are rather inexpensive, but most of the countries issue these stamps as part of a set of several flower stamps, and generally dealers prefer to sell the complete set rather than break it up. The most expensive set is the San Marino set which is very difficult to find, and is rapidly becoming a collector's item. It retails for over \$15.00, and increases in price periodically. The next most expensive set is the issue from Belgium, which retails for about \$3.50. Most of the other sets can be purchased for under \$1.50. Of course, the cheapest are those you find in your mother's stamp collection, or are from the sweet little old lady in the stamp store.

As I said before, I now feel that my collection is complete, but there is always the chance that I have overlooked some, and would welcome any information on any iris stamps that I do not have. Also, there is the possibility that new stamps will be issued in the future. In the meantime, I thought if any of you were interested in my complete list, it is as follows (with the country, Scott's number, date of issue, price by country currency, description of the stamp and color, and the numbers of the complete sets): FRANCE—air mail #C19, issued 1946-47. 50 Franc.

The Goddess Iris, rainbow, and airplane in rose pink.

AFGHANISTAN—#608—Issued Oct. 2, 1962. 5 Poulis—gray background.

Air mail—#C25—Issued Oct. 14, 1962. 200 Poulis—olive background.

These two stamps have the same tall bearded type iris with blue standards and red falls with blue undersides so that the buds are blue. The set consists of 5 regular postage and 3 air mail; the other stamps in the set are sports and peaches (no flowers) and were issued for Children's Day. #604-608, C23-C25. There is a souvenir sheet consisting of #C23-C25.

AFGHANISTAN—Minkus #819. Issued March 3, 1946. 10 Poulis.

A blue bulbous type iris (similar to a Dutch Iris) on pink. Issued for Teacher's Day 1963. Set #815-819.

ALBANIA—#836—Issued Aug. 11, 1965. 3.50 Leks.

I. germanica-Shpatore, a neglecta on white and orange. Set consists of 8 flower stamps. #833-840.

CZECHOSLOVAKIA—#1244—Issued June 15, 1964. 1.20 Koruna.

Yellow *I. pseudacorus* on white. Set consists of 6 flower stamps. #1241-1246.

GREECE—#629—Issued 1958. 2 Drachmas.

I. cretica. Blue iris on lemon green. Set consists of 8 flower stamps, 5 of which also have either a God or Goddess on them. #624-631.

HUNGARY—#1420—Issued Nov. 4, 1961. 40 Fillers.

I. germanica (blue) on bright yellow and black. Set of 8 flower stamps. #1418-1425.

HUNGARY—#1817—Issued Feb. 7, 1967. 3 Florints.

I. hungarica. Purple iris on yellow green. Set consists of 8 stamps of flowers of the Carpathian Basin. Issued to commemorate the 150th anniversary of the death of Pal Kitaibel (1757-1817), botanist-chemist, and physician.

JAPAN—#609—Issued March 15, 1955. 500 Yen.

Color of stamp deep plum. Japanese iris growing beside bridge (landscape).

JAPAN—#717—Issued 1961. 10 Yen.

A white and a purple Japanese iris on gray. This is a part of a beautiful set of 12 flower stamps. #712-723.

JUGOSLAVIA (Yugoslavia)—#690—Issued May 25, 1963. 25 Dinar.

Tall-bearded neglecta iris on light blue. Set of 6 medicinal plants. #689-694.

LEBANON—#425—Issued 1964. 30 Piastre.

Dark blue tall bearded iris on light blue. Set consists of 9 flower stamps. #418-426.

LIBIA—#285—Issued Aug. 1965. 2 Milliemes.

Lavender tall bearded iris on orange-yellow. Set consists of 4 flower stamps. #284-287.

LUXEMBOURG—#351—Issued April 3, 1959. 1 Franc.

Tall bearded iris with pink standards and purple falls (similar to PAGAN PRINCESS), background dark blue green. Set consists of 3 flower stamps #351-353.

Issued to publicize the flower festival at Mondorf-les-Bains.

MONGOLIA—Issued 1966. 1 Tugrik.

I. bungei. Blue iris on yellow; set of 8 flower stamps.

MOROCCO—#115—Issued 1965. 25 Franc.

I. tingitana (Iris de Tanger). A blue iris (resembling a bulbous iris such as a Spanish iris) on pink. Set consists of 3 flower stamps #115-117.

NETHERLANDS—#B253—Issued 1953. 20 cents + 5 cents (semi-postal).

Blue tall bearded iris on light blue. Set consists of 5 flower stamps #B249-B253.

The surtax was for social, cultural and medical purposes.

POLAND—#1289—Issued Nov. 30, 1964. 3.40 Zloty.

I. barbata (a white ground plicata stitched in wine-red) on brown background.

Set consists of 12 beautiful flower stamps #1279-1290.

ROMANIA—#1463—Issued Jan. 1962. 40 Bani.

I. brandzae (Prodan) purple iron on white and orange. Set consists of 9 flower stamps #1459-1467.

RUSSIA—#2413—Issued 1960. 60 Kopecks.

I. kaempferi. Sieberia-purple iris on yellow. Set consists of 8 flower stamps #2408-2415.

SAN MARINO—#341—Issued 1954. 10 Lire.

This is a beautiful stamp with two light blue irises set against a yellow sky with three mountain peaks in the background. On the right side of the stamp is a box of dark blue-green with the Crest of the Republic of San Marino in light blue.

This set consists of 9 flower stamps #336-344 and rapidly becoming a collectors item.

SWITZERLAND—#B311—Issued Dec. 1, 1961. 30 centimes + 10 centimes (Semi-postal). Iris resembles a lavender spuria on deep plum. This set consists of 4 flower stamps plus one with a portrait of Jonas Furrer, statesman and one time president of the Diet of Switzerland—#B308-B312—sold at a premium for the benefit of various children charities.

As to be expected, since writing this article, I have found some more stamps that would add that extra touch to a collection of stamps which topic is iris. Greece's regular issue series of 1911 has four stamps depicting the goddess Iris. Their Scott's number, denomination, and color are: #199-2 Lepta-carmine rose; #203-20 Lepta-gray-lilac; #204-25 Lepta-ultramarine; #206-40 Lepta-deep-blue.

On the re-issue of 1912, the goddess Iris is shown on: #215-2 Lepta-rose; #219-15 Lepta-dull blue; #220-20 Lepta-slate; #221-25 Lepta-blue; and #223-40 Lepta-indigo.

In 1917, the provisional government of Venizelos, a Greek revolutionist who wanted Greece to enter World War I on the side of the allies, issued a series of 11 stamps depicting the goddess Iris. They can be found as Greece #249 to 259.

As new introductions of iris comes out each year in our iris catalogs, so it seems every so often another iris stamp is issued. On June 14, 1967, Poland issued a set of six medicinal plants. #1515—5 Zloty demonination is an *I. sibirica* in natural color on a white background.

These stamps have been added to my collection and now am just waiting for another stamp to be issued.



GREECE
#629



GREECE
#199



GREECE
#249



MOROCCO
#115



LIBAN
#425



MONGOLIA
Issued 1966



LIBIA
#285



HUNGARY
#1420



HUNGARY
#1817



MINKUS #819



JUGOSLAVIA
#690



CZECHOSLOVAKIA
#1244



FRANCE
#C19



ROMANIA #1463



JAPAN 609#



JAPAN #717



#608 AFGHANISTAN



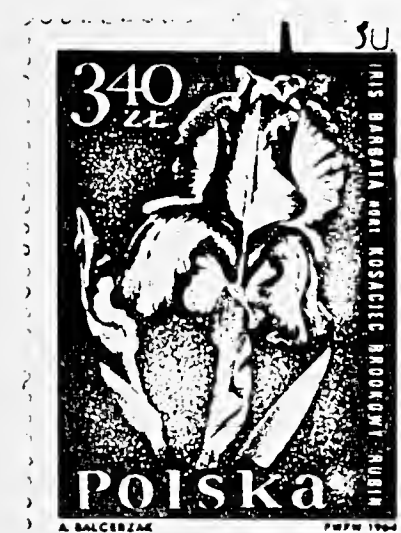
#C25



NETHERLANDS
#B253



RUSSIA
#2413



POLAND #1289



POLAND #1515



LUXEMBOURG
#351



SAN MARINO
#341



ALBANIA #836



SWITZERLAND #B311



FLY

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- ☐ Irises in General
- ☐ Tall Bearded
- ☐ Reblooming Iris
- ☐ Miniature Dwarf Bearded
- ☐ Arils
- ☐ Siberian Irises
- ☐ Japanese Irises

- ☐ Historical Irises
- MEDIAN BEARDED**
- ☐ General Median
- ☐ Standard Dwarf
- ☐ Intermediate
- ☐ Miniature Tall (Table)
- ☐ Border

- ☐ Spurias
- ☐ Louisiana Iris
- ☐ Species and Natives
- ☐ Hybridizing (General)
- ☐ Iris Photography
- ☐ Regional Robin
- ☐ International Robin
- ☐ Teens and Twenties

I am—a beginner ☐

average ☐

advanced ☐

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National Robin Program Chairman

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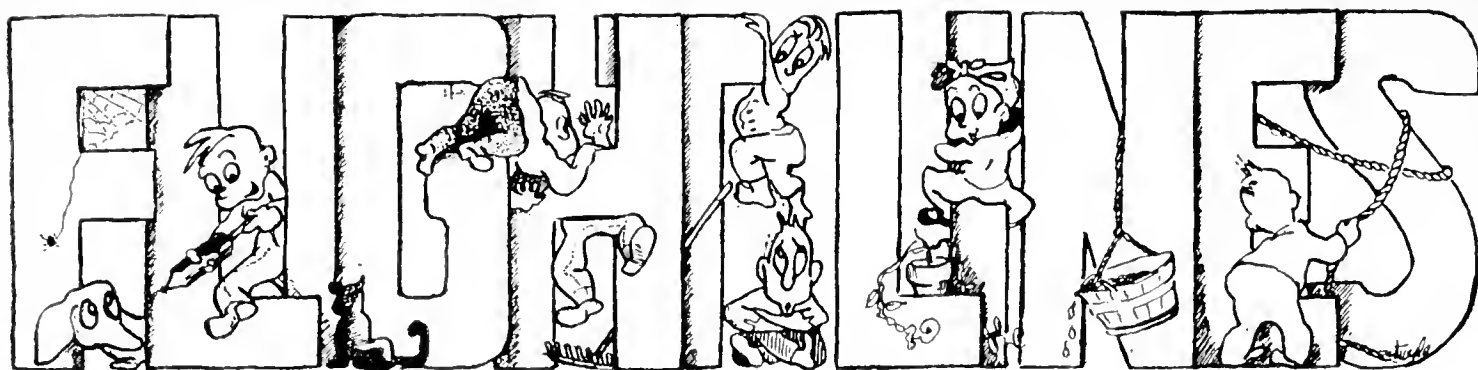
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PEGGY BURKE GREY

SOME NEWS OF THE ROBIN PROGRAM

By now all the Division Chairmen have received and distributed the revised Robin Director's Manual which Bill Krasting had reprinted in handier-to-mail form. Any Robin Director who doesn't have a copy, or wants additional copies, should write to the Division Chairman or to Bill.

Our erstwhile co-editor Keith Keppel is now living in Washington, D. C., impatiently awaiting blooms on cherry trees and earning (we hope!) his salary as an agricultural economist for the Census Bureau, doing something important about the 1969 ag census. He reports some interesting trips to visit gardens and iris buffs around the eastern seaboard. We are greening up with envy.

Walter Welch, Chairman of the Dwarf Iris Division, has recently been appointed by Bill Krasting to the RP Advisory Council, charged with the job of directing the robin which circulates among the Division Chairmen, keeping the Council advised of activity in the program, and Chairmen in touch with each other.

Our ex-boss robin John Bartholomew is going to have our hide if we don't fulfill an elderly promise, to wit: to extend via Flight Lines his sincere thanks and appreciation to each and every member of the Robin Program, past and present, from Robin members to the Division Chairmen, for their help to him all during his years as our National Robin Program Director.

Irises In General—Who Grows What, How and Where

In Severy, Kan., Leda Christlieb says, "I'm trying to grow all of the different kinds of irises I can obtain, not only different varieties of tall bearded irises, but miniature tall bearded too, as well as oncobreds, aril-breds, a few swamp irises, spurias and a Siberian. I am growing Oregon native irises from seed and hope I can keep them growing to bloom size. My species didn't like me. I have planted Japanese irises and their seed, but have not been successful in growing them either. My vesper iris and blackberry-lily are blooming at this time (August).

"In 1964 I was sent pollen of the G. G. White irises from California, and having nothing better, I put it on standard dwarfs. I bloomed a 75' row of these seedlings this year and what a lot of fun! The seedlings ranged in height from about 8" to 26"; some were quite wild in coloring, and one red one was good enough to win an EC in Wichita's Median-April show.

"Rococo won Queen of the Show for me in our Magic Circle Iris Club's first show. I was even more delighted that the weather cooperated enough for it to be possible to *have* our first show! We're already planning next year's show."

In Davenport, Iowa, Frank Foley reports on his irises in general: "I have about 300 irises here, including TB, BB, IB, a few SDBs, also Siberians and

Japanese. The Janapese irises were surely gorgeous this year. I still say plant them near a creek and they should do fine.

"Instead of rotating my irises, I just dig and add half rotted cow manure and sphagnum peat, mixing well and fertilizing the next spring. I have finally gotten around to spacing my plants two feet apart, so maybe people who look in to see if I am home won't have to look on all fours, and maybe I will get used to standing erect like a human.

"WINTER OLYMPICS grows like a weed here and we really have winters. I've not found it to be tender, and what crazy mixed-up springs we've had for the last six years. The weather is one thing that will separate the dreamers from the growers."

In Orinda, Calif., hard by the Golden Gate convention city of Berkeley, Francesca Thoolen writes, "Our 'castle' is located on one acre of land, but most of it is either uphill or downhill. This means that everywhere we turn we have to make terraces, which makes for slow progress. We have made 3 terraces about 50' long and 6' wide. Each terrace is 30" high, which makes working the beds as easy as possible.

"This year at the auction someone brought something interesting called *iris marii*, an African plant. I could not find it listed with this spelling, so will have to inquire. It makes small beardless pale yellow flowers with some red markings.

"Our occasional heavy dews create problems with rust and leaf spot. I control it by spraying about 3 times at growing time with insecticide (Scope or Cygon) and fungicide (Cooke's fungicide for rust and Niagara Puratized for leaf spot).

"It's amazing how many details you forget in a flower. That's why I'm in favor of taking slides. The camera catches things the eye doesn't."

In San Jose, Calif., Hazel Stewart tells about things she and her sister Auda grow in their city garden. "We grow mostly new introductions, so that once you start on this course there is no place to go but up. We have to give up so many lovely varieties, though we still have ESTHER FAY, as it is so lovely. BLACK SWAN is fine with us, but some very fine varieties just seem to vanish.

"Pure pinks are at a low ebb right now. Too many so-called pinks are from PALOMINO breeding and are not pink in my book. Of course, I do not judge an iris too severely on a one year plant. You often have to eat your words. This year too many varieties were bunched and some not out of their foliage. Opal Brown's SOUND OF MUSIC and SILVER TRAIL were perfect. Keppel's BABBLING BROOK and Corlew's COUNTY FAIR were two more that did not disappoint. BLUEBERRY LANE (De Forest) and SILENCE (Tompkins) belong in this charmed circle.

"If you have a chance to see or get WHITE FROSTING, QUEEN'S FAVOR (violet), LILTING MELODY (pink), or CHARM SCHOOL (cream), do so. Both Dorothy Palmer's and Cliff Benson's things are pretty. We love SKYWATCH and ARCTIC FURY. I notice there is much interest in ONE DESIRE. Shoop's things do well here. We especially like Babson's things and they seem to be catching on in the east. His COMMENTARY and APROPOS are lovely. Watch for them."

From San Jose to southern California, we have a report from Maebelle Nelson in Arlington. "Had a lovely trip up north into Region 14. It was

cold and rainy much of the time, but surprisingly between showers we saw a lot of irises and met so many nice people. At Hazel and Auda's we saw Shoop's SPANISH AFFAIR, a lovely apricot. It was early for any bloom; they had loads of buds but all California had a late, late season. Glen Corlew's KIMZEY was nice; also saw more dwarfs and medians than I've ever seen before. I liked MOON BLAZE, QUEEN'S VELVET, EYE SHADOW, LILAC-LIL, ZING SPOT BALLET and the new REGARDS.

Neva Sexton's garden was in full bloom. Her new GOLDEN SENSATION is a rich yellow, ruffled, a very colorful iris. It looked excellent. FIRST SNOW is lovely and HIDDEN MAGIC has the old AMIGO coloring, not very ruffled but nice because of the color. She has another yellow called GOLDEN EMPIRE, a very rich yellow with a white blaze. Hilda Fail's ROSE REPRISE was lovely in her garden, the only place I've seen it.

Gibson's seedlings were marvelous, as always. Until you've seen his garden you can't imagine what a variation there is in plicatas. He has developed many, many colors, ruffles, plain and solid edges, lace, gold edgings, etc. Lovely! APRICOT ETCHED is good, a tawny rich brown plicata. SUN SPREE is a good yellow plicata. No. 12-2-PLE, a lovely pink and gold blended plicata with a rich iridescent gold edge. I hope to get it some day.

Melrose Gardens was one big lake when we got there, so much rain they couldn't get out to pull weeds. Two of their introductions are CAMBODIA, Babson's lovely iris, and CONFECTION."

Swinging on to La Junta, Colo., our faithful reporter friend Enda Gillen describes some charmers. "ONE DESIRE was gorgeous for me this year and CHERRY PINK was such a tall beauty. Another tall one was UTAH VALLEY. The dark ones did well this year and DARK FURY, BLACK SWAN, AFTER MIDNIGHT, SABLE NIGHT and DARK BOATMAN were all extra good. I still grow ELMOHR and so many of the flowers do not seem to be exactly alike, but all were beautiful in a bed with light yellows. Three blooms were out at one time on CASINO, a mulberry seedling of WILLIAM MOHR, and was an eyecatcher. BAND OF GOLD was also nice."

Turning to the middlewestern sector of the country we have some remarks about new and old varieties which called for special mention by various robin members. In Paris, Ill., Grace Brown notes: "BRONZE BELL bloomed in 1967 for the first time in 5 years and was beautiful but could not stand the sun. Others that were outstanding performers were ALLAGLOW, ANYTIME, CONGO SONG (really black), CONCORD TOWN, FAIR LUZON, HONEY ROCK, MR. WONDERFUL, MY HONEYCOMB, OLYMPIC TORCH, PINK ENCHANTMENT, SACAJAWEA, TECHNY CHIMES and CLIFFS OF DOVER."

Nelson Burlingame reports from California, Mo., "WILD GINGER held the spotlight along with ORANGE PARADE and STEPPING OUT." Edith Thompson in Pekin, Ind., noted that the outstanding performances in her garden were given by ORANGE PARADE, STERLING SILVER, BRAVE VIKING, MISS INDIANA, WINE AND ROSES and CRINKLED BEAUTY.

Larry Harder notes, "ROSEANNE is a beautiful color, a shade of rose, nicely flared, closed standards, very nice flower shape. CAMELOT ROSE, pale rosy white standards, rose-red falls, a much better WINE AND ROSES type because of its lack of striations on the haft. A big wide full flower makes it one of the best Tompkin's recent introductions." (See! That is the way a varietal report should read; to say something!).

Mrs. Albert DeHaan in Wayland, Mich., talks about the blues. "Of all the money I've spent on blue irises, I believe BLUE VALLEY was just as blue as any. I think one should see an iris before he buys, as descriptions lead one astray. This year I have about 10 different blues again; I may know which one is really a *blue* blue to suit me if they all bloom."

In Frederick, Md., Kitty Stull reports on a favorite old timer. "PINNACLE is the most prolific bloomer I have.

Delia Munn in Virginia Beach, Va., notes, "I have been crazy about the Babson creations since the first time I saw one in New Jersey years ago." (We might note that their strange color patterns are producing some absolutely remarkable new color combinations for California hybridizers, and in combination with some of the Cook WHOLE CLOTH and MELODRAMA lines.)

Delia also remarks, "A few seem to have been very stingy with their increase. WANDERING RAINBOW and SUNLIT MEMORIES are two new ones which are lazy."

In High Point, N. C., Mrs. D. W. Parham describes a number of things as they grew there. "NINEVAH was good in all gardens. EASY STREET is another STEPPING OUT; I wouldn't care for both; either one will do. BILLOWING SAILS was putting on a show everywhere, a good new ruffled white. CREAM CREST was lovely everywhere. Here I saw most all of Tompkins new irises. THUNDER ROAD was nice; looked like its picture. RAINBOW VALLEY was another I fell in love with. GINGERSNAP I didn't care for in any of the gardens; it must be a cold climate iris. CAMELOT ROSE, KINGDOM, CRAFTSMAN and CITY OF PORTERVILLE I have planned to add to my list."

Ronald Mullin in Pawnee, Okla., reported an unusual bloom season, "We have experienced the most erratic bloom season I can remember. The first blooms appeared in late February when the weather warmed up suddenly to above normal. After this came a cold period when nothing grew. April, which is usually our peak bloom period, was cold and as a result there was no such thing as a peak; the bloom was scattered from February through June 7."

From Edmond Okla., Leah Ralls reported on her own garden, "I loved SKYWATCH. Along in the same tint is CROSS COUNTRY. I think SKYWATCH is more blue than orchid. GINGERSNAP is a really good brown. RASPBERRY WHIRL is a different color and I think it will be one of my favorites for a long time. PIPES OF PAN, although not such a marvelous flower, has a great garden impact. It grows tall, and, as a friend says. 'It stands up and sings.' Another fine garden effect is a clump of BUTTERCUP BOWER. LAURIE, although not very different from some of Gaulter's other things, is a lovely iris and due for great popularity. JILBY I would recommend as a show iris, as 3 blooms open at the same time is a pretty regular performance. Hamblen's FOUNTAIN BLUE and HEATHER HALO, both far from perfect on damaged plants, appealed to me. I liked the border on the falls on HEATHER HALO."

In Hydro, Okla., Thelma Glass wrote, "ESTHER FAY produced two beautiful stalks on a first year plant. Such form and color! ONE DESIRE and NATIVE DANCER have been my favorite pinks up to now; they always produce beautiful clumps. RIBBON ROUND came through with a bloom on

a first year plant, but I was quite disappointed in the color; the blue was so faded it was hardly visible. SEPTEMBER SONG was one of my prettiest. A second year plant bloomed profusely as did CORABAND and CLAUDIA RENE."

Annie Glitsch in Woodward, Okla., said, "TRULY YOURS was the prettiest I have ever seen it. Others nicer than usual were CITY OF PORTERVILLE, PLEASANT HOURS, FRENCH FLAIR, BLUE FANTASY, POWAY, GRAND SPECTATOR, and COUNTRY EDITOR. SUNSET BLUES bloomed on an 8" stalk. It was the best year yet for SWAN BALLET."

Mrs. Carl Waggoner in Frederick, Okla., notes some show stalks that were outstanding for her. "At our flower show I won a first on CELESTIAL GLORY, GYPSY LULLABY, TECHNY CHIMES, BLUE OX, PLUNDER, HELEN COLLINGWOOD, FROST AND FLAME, PICADILLY, HAPPY BIRTHDAY, WHOLE CLOTH and OLYMPIC TORCH."

Way Down South

Several iris lovers in the deep South have interesting reports which will be of help to those who have been having problems finding suitable varieties and cultural techniques for that area. Let's hear from Jessie Schallida of Breaux Bridge, La.

"My problem here is getting irises to bloom. This is not iris growing country, but they are such beautiful flowers that I keep trying. It seems that some varieties bloom better than others. HAPPY BIRTHDAY, TECHNY CHIMES, KING'S CHOICE, STARSHINE, CLIFFS OF DOVER, and LIMELIGHT have done well for me."

In Lawrenceville, Ga., June Fraser remarks, "Had four white beauties: FROSTED LACE and POINT LACE, both heavily crinkled and laciest irises imaginable, with hints of pink and yellow in the latter CRINKLED IVORY, with crisp leathery texture as well as crinkles, exceptional form and a lemon beard; and very similar to it was IRISH LINEN except that its texture was more like shimmery satin. Two other delightful ones, ALLAGLOW and SOUTHERN GLORY, both glow with gold and warm brown shades, gigantic, beautifully ruffled and topnotch form; they have everything! FLOUNCED LOVELINESS and HORNED MYSTERY do well here and are astonishing in their beauty."

Betty Hoffman in Athens, Ga., reports, "Early spring freezes, high winds, rain, hail are discouraging. My iris losses from rot have been heavy. Mustard seed fungus was rampant. Spraying did not help; the fungicides washed right off. I even dumped dry fungicides at the base of the plants, to no avail. One day, when we had a break in the rain, I sprayed the plants with full strength Lysol spray. I had developed a kill or cure attitude. Surprisingly, it helped!"

Iris Time In Texas

Texas is another problem spot for growing tall bearded irises. Everett Randles of Sherman cites her problems: "It's too hot here. The irises are scalding (turning white in the center of the fan). They always do, especially the tender varieties, when we have excessive rain and then suddenly hot and dry weather hits. I am going to check these fans to see if they bloom next spring. I think there is more than one reason irises don't bloom a year after they are set—a long dry fall and winter, early resetting before the buds have developed, excessive rain and then mid-summer drought, winter of extreme

cold, too much shade and poor soil. Irises, like roses, are heavy feeders and need more feeding, not over-feeding nor fresh manures, but minerals and on the limy side.

"Once I planted GREEN PASTURES between HELEN MCGREGOR and HI TIME and it was the same seafoam green shown in Lloyd Austin's catalog. I always said it was a dirty, tacky yellow, but I had to eat my words. Try ICE 'N LIME between two whites; brings out the lime in the falls and makes the standards look whiter.

"FINDELKIND was my purest orange, GREEN HALO my greenest, LILLI-VAR the best variegata in its class, JAZZ BABY the best oncobred, old RUSSIAN BRONZE the best tall bearded, KISS ME KATE the cutest, IVORY SATIN the best cream."

At Quinlan, Eunice Smith reports, "We got 2 purple rosettes at the Arlington show, one on BLAZING VIOLET as best in the open class and one for the best seedling of the show. We are proud of this seedling, which is from DOT AND DASH X ROCOCO."

In Iowa Park, Edyth Brooks reports the varieties most enjoyed this year were FOAMING SEAS, SILVER PEAK, DARK FURY, MAUVE DUSK, NEW FRONTIER, PACIFIC PANORAMA, RIPPLING WATERS, and CELESTIAL GLORY. SKY QUEEN was in bloom October 1st.

Dovie Brady in Dumont notes, "GAY PAREE and GIBSON GIRL rebloomed this summer with no attention, among weeds taller than they were."

Peggy Williams of Fort Worth writes, "The best thing I saw in Denver was a yellow seedling of Dave Niswonger's to be introduced in 1968 as TYCOON'S GOLD. Two best whites: COCKTAIL TIME and WHITE FLUTTER; loved FUJI's MANTLE and RADIANT APOGEE. SAPPHIRE FUZZ was a light blue with dark blue beard, as was AZURE APOGEE. BROTHER ED was mighty fine. Ones I saw that just sent me were NATIVE DAUGHTER (BB) WATER MUSIC, LEMON TREE, ORANGE BOWL, SOUND OF MUSIC, TAWNY MINK, MAJOR RED, MUSIC HALL. Good two-tones were DIPLOMACY, MYSTIC MOOD and GENTLE PRESENCE.

Anna Lee Kirk in Spearman suggests that giving the iris beds a good deep soaking in February will result in lots of blooms and healthy green foliage. And in Jacksboro Brunette Sewell has a noble idea: "Another experiment I'm making this year is planting black eye peas between the iris rows. This time of year I'll have to water and cultivate the peas so naturally the irises will get the same. The rows in this place are a good distance apart."

For Good Growing

All the robins spend much time discussing ways and means to keep our little pets happy and healthy. Here are some of the gleanings from some reports.

Allen Harper in Kansas City, Mo., notes that borers were particularly rampant in his garden last season. He's going after them with Di-Syston and Cygon.

Nearby in Rich Hill, Mo., Judy Bell talks about rot control. "I'm a Terrachlor booster. We had rot three years ago and used dry Terrachlor by the cupful all over the clumps. We just gathered up fallen material and let the sunshine dry them out. We had fantastic increase and saved many which looked completely gone."

Let's hear from John Dughi in Raleigh, N. C., "When we visited Steve Moldovan and Don Waters one of the first things I detected was that the iris beds had the appearance of just having been cultivated. I discussed this with Don and found that this is one of the secrets of success—constant light cultivation. Should your soil need it, Don gave me this formula: 1 quart of gypsum, a little lime if needed, and 2 tablespoons of wettable 50% D.D.T. Mix well and throw by handfuls into centers of each iris clump and over the entire bed if you wish. This not only conditions the soil, but also gets the borers and helps to eliminate soft rot and leaf spot."

Maebelle Nelson in Arlingson, Calif., reports, "We rented the cutest rototiller type small plow and tilled an area I've been trying to get weeded. It will be the first time I've ever had the ground ready to transplant my new seedlings when they really should be moved. I have them in the plastic containers, mostly gallon size, and I put plastic bags over the top to conserve moisture. A friend planted hers later than I did, soaked them in a clorox solution, and they started germinating sooner than mine. I really believe the clorox soak does hurry them along.

"I had quite a lot of success with the Dowpon on the Bermuda grass."

Down in Concord, Tenn., W. C. Burns remarks, "I burned off a large segment of my best garden. If this sounds a bit strange, I grow my irises in a Bermuda grass field!"

Hazel Stewart has another way of handling the weeds. "Late rains sometimes bring on a third crop of weeds. We try to get them before they go to seed. We have never treated the beds with weed killer and rested them. We can't let the ground lie idle long enough, so we pull and hoe."

Thoughts On Planting

Earl Stanley of Carmi, Ill., comes up with a fascinating thought-provoking technique for determining planting time. "I planted irises July 7-14 and the last row August 20. Why so late? I'm planting in the moon sign. Ones I planted in the sign of Cancer are taking off fast. I started out to plant 75 varieties, ended up with 90. All iris roots were trimmed back to one inch, soaked in water for an hour, then dipped in Chlordane. When setting out, I use gypsum below the roots and on top of the rhizome before filling in with dirt. I don't water as we usually have enough rain for that."

In planting seedlings, Lee Honn in Rochester, N. Y., uses this method: "My seedlings were all transplanted by May 30. I managed to remove each with seed attached and a good ball of earth, no bare roots. The ground was very wet. I set 570 and have lost only 7."

Here's some more from Judy Bell: "I use coffee cans with the ends cut out and sink them to the rim in the open garden rows. I plant in October and usually in a warm April they begin popping up. I remove the seedlings to rows in May. I leave the cans another year just in case. Rarely do I get any further germination."

And again from Allen Harper: "On planting seed, this year I got some of the trays the bedding plant people use for plant sales and used a mixture of 1/3 soil, 1/3 milled German peat and 1/3 coffee grounds. I save the grounds, and leach them with boiling water before mixing. They are now in a greenhouse (May)."

Mill Holt in Harris, Minn., adds her method: "I put the seed in baggies with a mixture of peat, sand and perlite. By enclosing as much air as pos-

sible and using a rubber band at the top, I have these balloons piled in two peach crates. I put them on the north porch for a cooling off period, and then into a north room at 70° and they are popping like corn in these bags in May. I plant these first in flats and wait until they are 4 to 6 inches tall before I put them in the garden."

M. Thaxter of Nehalem, Ore., explains what he calls the reefer method of preparing seeds for planting. It is so-called probably because it is a pass-on from refrigerated railroad cars, he thinks. "I use sardine cans, any type. I put seeds in the cans, fill about 2/3rds full of water and put the cans in the freezer compartment, leave them in for 2 days, take them out to thaw, then return to the freezer for 2 days. I do this for about 2 weeks. This freezing and thawing takes the place of winter work on seeds outdoors. I would think that one who lives where there is not much winter cold would have to resort to some sort of reefer method to get iris seed to germinate."

Some Odds and Ends

William Darr in Millville, N. J., writes, "I received the October 1966 issue of the *Journal of the Royal Horticultural Society* describing the R.H.S. Colour Chart, (Wilson). It has been entirely revised. Instead of the 2 volume set giving each color a name as heretofore, there are color fans similar to Nickerson but there are 200 leaves divided into 4 fans. The colors are the full width of the leaf and the color patch is the same size."

Allen Harper has a suggestion for marking labels. "Try using a Deco-write. This is a textile lacquer that comes in a ball point tube and can generally be found in the art needlework section of your store."

Theda Clark in Woodward, Okla., reported on an interesting show theme. "Our iris show this year was titled 'Progress In Iris'. We planned to show through the Dykes Medal winners the progress that has been made."

Iris Pseudocorus

A yellow charmer that is great for flower arrangements and loves wet feet is described by Hattie Hubbard of Olympia, Wash. "Here in our Washington climate *I. pseudocorus* grows rampant. One place that was filled with cat-tails now has none because someone put *I. pseudocorus* there. In the wild it looks fine but unless the spot is to be left wild I would plant only a few plants in a barrel or tub. There is a 'dwarf' *I. pseudocorus* that grows only 2 feet, but most generally are 4 feet."

Mrs. Walter Tutmark of Alderwood Manor, Wash., adds a word of caution: "Be sure to pick the seedpods or flowers off the plant. The seeds float and can sprout very rapidly." This sounds like a perfect subject for naturalizing if you can give it the proper conditions.

Those Spectacular Japanese Iris

Bob Swearngen in Terre Haute, Ind., gives some background on the Payne strain of Japanese irises. "Mr. Payne worked at first with a few plants secured from the then Hobbs Nursery (not Barney), a few imported about 1929 through the Yokohama Nursery by F. D. Meade of Fort Wayne (then an AIS Director) and a few from Childs. From these by line breeding, he established the Payne strain. These were largely Edo type, but Mr. Payne's irises bore little resemblance to the parent stock in most cases, as he continuously selected for improvement. There are very few doubles in

the Ise group and the Higos are given to more doubles than singles by far.”

Eleanor Westmeyer in Stamford, Conn., noted that she had quite a wet spring. The Japs were simply loaded with buds bidding fair for the best bloom in 5 or 6 years. “My Japanese irises looked terrible at first. Something was chewing them all up, but after several sprayings they began to shoot up and look much better. I tried a new hormone treatment, aptly named ‘Up Start’, on my newly planted things and they took hold beautifully. This is an ortho product, rather expensive, but worth it for choice plants. The chewing damage, I found, was done by cut worms which I dug out, and by tiny black specks—mites or thrips?”

“I would like to make a survey of diseases and pests of the Japanese irises,” remarks William Ouweneel of Terre Haute, Ind., “For instance, one of our members told about treating ‘blight’ with Agrimycin. I am not sure that ‘blight’ is a disease. It is a symptom to say the least. Growers in Terre Haute area are well acquainted with what is meant by the term. ‘Blight’ as used locally means the condition in which leaves remain short and narrow, have poor color and by midseason have turned straw color. In some instances only part of a clump will be affected. In the few cases in which I have dug up the rhizomes, they have appeared sound but without live roots. The old roots were reduced to hollow tubes. Have any of you noticed this condition? Do you have blight with other conditions? Do you have any suspicions as to its cause? Some plants develop twisted, stunted flower stalks which may be associated with the same problem.

“Rust seems to be a common hazard. Wheat straw mulch perhaps is the most likely source. Thrips are widely prevalent. I have never observed any bud or flower damage, but am told it is possible.

“In ten years of active growing I have observed only two stem borers. However, small chewing or boring pests are observed on buds regularly. In one such bud I found a very small caterpillar-like larva. I use Farm Bureau Rose Dust, an all-purpose mixture, in spray for chewing insects.”

Ruby Cantrell in Neosho, Mo., describes her method of preparing a bed for growing Japanese irises. “We fixed a good bed, taking out quite a lot of the old soil, adding compost, lots of peat moss, some dusting sulphur and copperas (1 teaspoon to 1 square yard), mixing all with some good garden soil. We planted the Japanese irises in this loose soil, mulched them heavily with prairie hay and kept them well watered. Every one came through all right and grew with lots of new shoots. I plan on using pine needles from the woods for summer mulch. I also add more well rotted compost and soil from where wild huckleberries grow, or leaf mold.”

In Westboro, Mass., Bee Warburton has this to report. “I’m turning the perennial border, which has gone to grass, into a Japanese iris bed. They grow well there; for one thing, they are near enough to the house on the north so that they are shaded on winter mornings so do not thaw as fast and thus heave. For another, it seems never possible to plant purchased ones early and I want to try planting them out just as soon as they have bloomed. There is a faucet near enough so they can be soaked easily any time now that watering isn’t frowned upon.”

Bob Swearengen suggests another transplanting technique. “Try ‘mudding’ in your next transplanting of the Japanese irises. The roots spread out much better and take hold more quickly, particularly the large plants.

There's not much extra work to this."

For some exciting previews of things in store for those who hybridize, here's a report from Gene Wagner: "The seedling patch bloomed very well. Crosses made in 1963 bloomed for the third season. The bloom was so superior to last year that I am glad that they were allowed another year to bloom. A single seedling by SKY AND WATER gave a beautiful array of blue-violet shades, many with white veins; a few whites, some delicately tinted whites; most were doubles. The quality of these was so good that I saved 12 seedlings. Another good cross was HISAKATA X SKY AND WATER. About 90 percent of these were the color of HISAKATA with the remaining 10 percent light blue and white. I was surprised at how dominant the color of HISAKATA is. The deep blues, 2 light blues and one white were selected from these. Substance and branching were superior to HISAKATA."

Gene describes the results of other crosses:

Progress In the Spuria Field

Past-President Clarke Cosgrove of the Spuria Iris Society views the spuria situation and notes that although progress has been slow, it still is progress. "Spuria Iris Society membership mounts each year. There is some indication that spurias are grown a little more widely each year and definitely there has been increased emphasis in irises other than tall bearded by the AIS. However, the number of new spuria introductions each year remains about the same. Eleanor McCown is the first woman to introduce a spuria in many years. This year there was a spuria introduced by the late Dr. Marc Simonet of France."

Edith Cleaves of San Jose, Calif., reports on the new Simonet iris, which, technically was not introduced by him but by Melrose Gardens. "There is a new spuria introduced at the request of Dr. Lee Lenz, released for introduction before Dr. Simonet's death. This new variety is BELISE, and is a cross of two species, *I. maritima* X *I. cartholinae*. One half of the money received from the sale of the iris for the next three years will be presented to the Spuria Iris Society for the establishment of the Eric Nies Medal to back up the AIS Eric Nies Award. BELISE is a small delicately formed flower, veined blue on white ground with violet standards and styles.

Edith continues with some comments on other fine varieties she grew last season. "ESSAY: the second year has proven the worth of this introduction. Standards and style arms are violet and erect. Falls have an almost bronzy background veined mauve-violet. The flowers were large; there were four of them on a branched stem over 5 feet tall. GOOD NATURE: 6' stems over 10 of them on a two year plant, branched. Flowers large, semi-upright, rich yellow. GREY LADY: Several bloomstalks, all good height. This spuria has a history of sometimes not blooming, so was delighted to see stems. BRONZE BUTTERFLY: First bloom this year, quite small but since then other stems have yielded good sized blooms, a bronzy-brownish, blending to deep yellow at halt of fall. Stems tall but each is slightly crooked with the same curve on each: pretty. WADI ZEM ZEM: Very large light yellow bloom; stems 5 feet plus tall; this iris has bloomed each year for 4 years but had only 4 divisions; rather slow increasing. WHITE HERON: This also is 4 years old, blooms annually but only one stem this year, and only 3 divisions in 4 years! CHEROKEE CHIEF: Has been a 36" stalk until this year. After rainy season which was continuous, the stems were over

4½' tall. Blooms also larger and a more decided brown coloring. **DUTCH DEFIANCE**: remains a small clump, no stem for two years."

We read that last comment with interest, being a *spuria* buff, for with us **DUTCH DEFIANCE**, planted in an area of high annual rainfall and given no cultivation such as Edith lavishes in her garden 150 miles southward, has practically naturalized and formed tremendous clumps with dozens of stalks and large brightly colored flowers without fail each season for 6 years!

Francis Brenner has a good cultural tip for us. "Spurias will stand a lot of neglect as long as they have moisture. Just plant spurias, let them alone, put on compost two to four inches thick each year and make sure they have water; then enjoy them!"

Would that all irises were so carefree.

IN MEMORIAM

THEDA CLARK

Theda Clark, an accredited judge and member of AIS for twenty years, died on June 30. She was active in all phases of growing and showing irises, hybridizing and judging, and all levels of organization work.

A product of her hybridizing efforts, a lovely tall bearded white iris, will be in the Oklahoma City Test Garden next bloom season. Her nephew, Hooker Nichols, who gardened with Theda most of his thirteen years, will continue to grow the fine irises in her garden and carry on for her in other iris activities.

C. A. BAHRET

Many AIS members will remember Connecticut's official photographer "CAB". It is with sorrow that we record his death last May. Born in Kansas City in 1899, he moved to Connecticut in 1931, and became active in iris circles in 1951. In addition to his iris and photography hobbies, his many other interests kept him fully occupied after he retired. One of these was a study of New England gravestones, about which he had written a book, "Speaking Stones", scheduled for publication in late 1967 or early 1968. A second volume, finished three months before his death, is concerned with the effect of weathering and subsequent obliteration of the lettering. He finished this with—"and now the Speaking Stone is silent."

MRS. BERNARD O. BARNES

Mrs. Bernard O. Barnes, past RVP of Region 23, was drowned on October 7, while she and her husband were on a fishing trip in Colorado. Many of our members remember her, for she had attended nearly every AIS convention for the past ten years. She was an indefatigable worker in the iris cause, and she will be greatly missed. She was a teacher and owned a garden nursery.

JUDGING SCHOOL AT KINGWOOD CENTER



Steve Moldovan, instructor; Charles Applegate, who brought 28 varieties of remontants, and Miss Faye Griebeling, president Central Ohio Iris Society.

REGION 22 JUDGING SCHOOL



Left to right: Perry Shelley, Pres. OIS; Hoyt Smith, incoming Ass't. RVP; John Humphrey, RVP; W. T. Bledsoe, school conductor; Dr. W. E. Jones; Dr. M. L. Sadoris, past RVP. In front: Perry L. Parrish, incoming RVP.



MOONCHILD
(Craig)

Blooming in Ila Crawford's Purcell, Okla., garden on July 28.



JUNGLE SHADOWS
(Sass-Graham)

Knowlton Medal winner
1967

FIRST IMPRESSIONS

GLENN CORLEW

What was your first impression? Was it a good year? An outstanding year? Of perhaps even a vintage year? During the bloom season just past, what was your initial evaluation of the 1966 introductions making their debut in iris gardens throughout the country? How did they compare with the offerings of previous seasons? Was there one which you felt would hold your interest even after the novelty of newness had worn away? Did you find in one that "extra something"? Was there somewhere a promise of future greatness?

If you, like me, have been trying to answer these questions, I invite you to share some of my observations of the 1966 crop and then to compare them with your own. Listing is by impartial alphabetical order and since all varieties mentioned have the basic good qualities expected of modern irises, only that characteristic which seems to set them apart will be mentioned.

AZURE LACE (Plough). Greatly improved form and width in a laced blue. Color very soft, but holds well even in our hot sun.

BABBLING BROOK (Keppel). An achievement in clarity of color and ranks here as the bluest of the blues. Delightful ruffled form. A masterpiece.

BEAUTY SECRET (Sexton). Emphasis on width and form in the apricot tones. Falls are extremely broad without creating an awkward appearance.

CAMBODIA (Babson). Exciting blend with a fire and luster not usually associated with this color class. Distinctively different!

CHARMING CO-ED (Gaskill). Superb branching displays the melon toned blooms to perfection. Excellent plant and a vigorous grower.

COUNTRY SQUIRE (Gaulter). Crisp blue-purple on white plicata with a personality that is bound to catch your eye. Very clean with precise markings.

CREDO (Babson). Unusual maroon color that is happily free of haft markings. Grows tall in this area where many reds bloom at border height.

DIPLOMACY (Keppel). Three and four buds per socket keep this delightful neglecta in bloom for most of the iris season. Even if it had only one bud per socket, it would still be an eye-catcher. A real joy to grow.

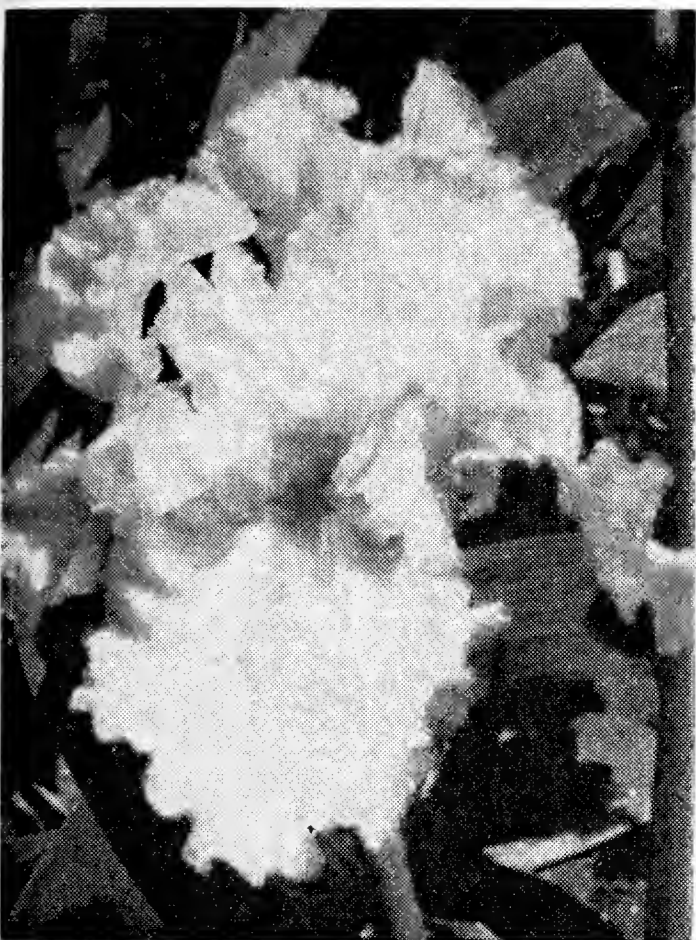
FLAMING DRAGON (Fay). Well named!! The intense color stands like a flame in the garden with visitors playing the well-known role of the moth.

FUJI'S MANTLE (Schreiners). Uniquely different in a color class that allows little variation. Seems to perform well everywhere. This one should be destined for wide acclaim.

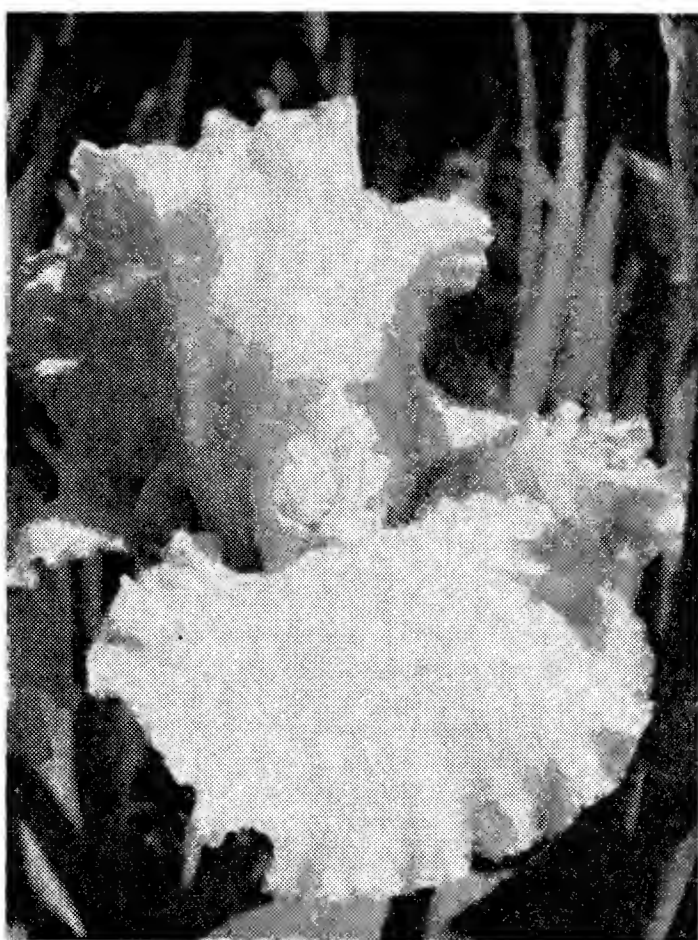
HIDDEN MAGIC (Sexton). Orchid standards over dark purple falls. The richness of the falls is reminiscent of the lush velvety texture found in the older recessive neglectas—a quality we have missed in recent breeding.

JAIPUR (Plough). You may walk past this one the first time around, but sooner or later you will be back to investigate the mysterious effect of rich brown hafts on a violet and white plicata. Very nice.

JEWEL TONE (Schreiners). Steps towards a true red may be small and slow, but improvements in form, substance and smoothness of hafts are progressing rapidly in this class. And these improvements were never better displayed than in **JEWEL TONE**.



CAROLANDS
(Corlew '65)



SIGNATURE
(Corlew '65)

LAURIE (Gaulter). Subtle, pastel beauty at its best. This iris is difficult to describe, and undoubtedly this is a part of its fascination. Surely this one has that "extra something" for which we search so diligently but cannot properly define.

LIGHTNING RIDGE (O. Brown). The finest of this new color combination to appear in the tangerine bearded family—peach-pink standards over rosy violet falls. Perhaps not the ultimate perfection we someday hope for, but certainly a long step ahead of whatever is currently in second place!!

MAHALO (Ghio). A happy combination of impeccable flaring form and distinctive color pull the eye to this one immediately. A bitone with light blue standards and rich red-violet falls. There is a metallic sheen in the falls that adds considerable zest. Excellent grower.

MILADY (Moldovan). The pinks continue to grow pinker and MILADY is a good case in point. The rather tailored form is an interesting change of pace.

NINEVEH (Keppel). Vibrant magenta-red in color and mysteriously oncoish in form. Outstanding in all departments from growth habits to bloom.

OLE' (Shoop). A light orange-apricot with a brilliance not usually found in this light color. Fine branching.

PACIFIC WATERS (Tolman). Refined is the best one-word description that could be used for this one. Collectors will love the subtle blue-lavender color complimented by a creamy yellow beard, and the hybridizers will be equally intrigued by the pedigree.

ROSES IN SNOW (Noyd). Good red-bearded whites have been conspicuously few in recent years. Here is one to help correct that situation. This one has a thicker and more velvety texture than many of its predecessors.

ROYAL GOLD (Hamblen). Even in the most devastating sun this brilliant and sparkling yellow holds the same fine color with which it opens. One of the very best!

ROYAL TARA (Harbour). Some see this as a green, others view it as a cream, but all agree that it is a close approach to perfection. Will certainly win its share of ribbons as Queen of the Show.

SOUND OF MUSIC (O. Brown). Nothing frivolous or cute about this stalwart beauty. Rather, it stands proud and straight in the garden and is a fine tribute to its royal pedigree. Undoubtedly one of the season's outstanding varieties.

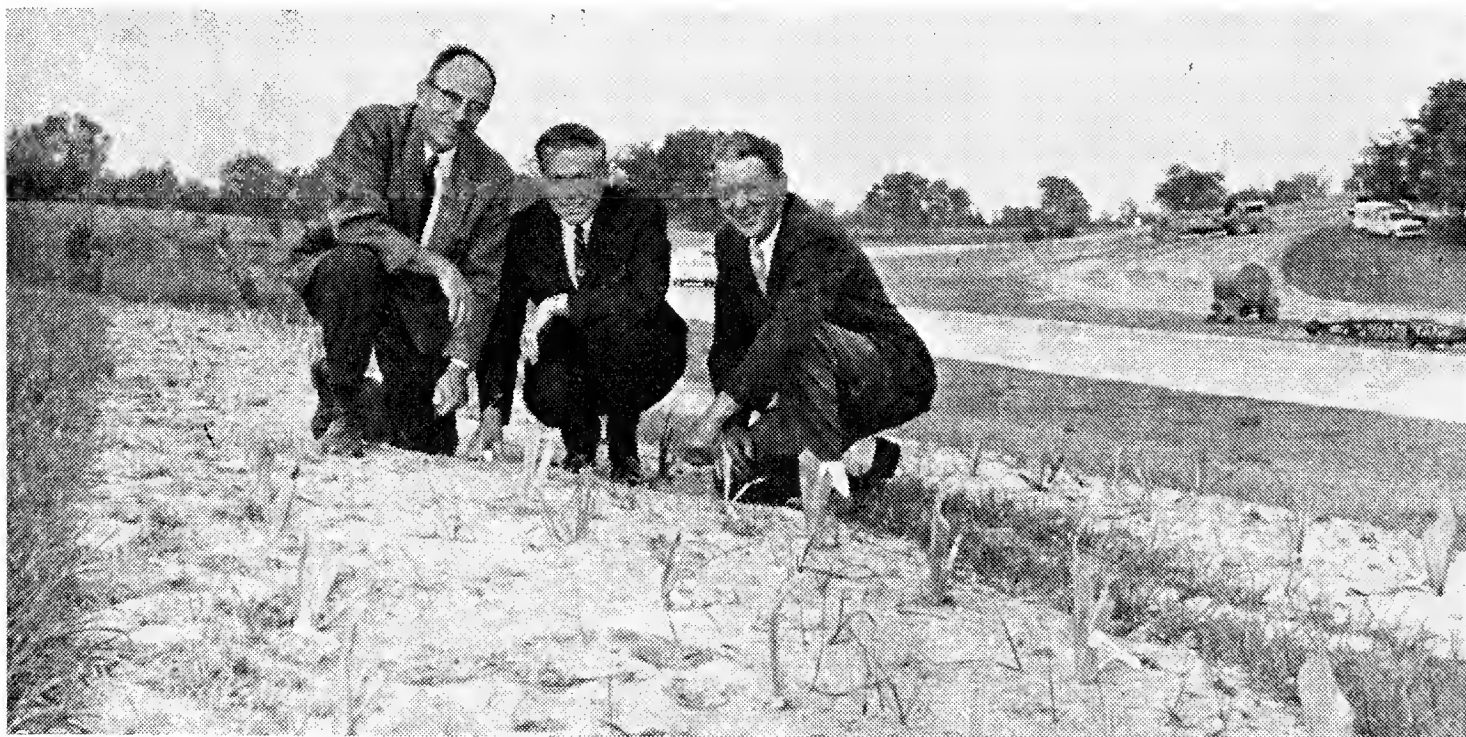
TAWNY MINK (Schreiners). After blooming this handsome yellow, it is easy to understand why the Schreiners selected their cover picture in 1966. Even on a cloudy day it appears to be standing in sunshine, and when the sun comes out, well . . .

WHITE KING (Knopf). Warm toned white stamped with the hallmark of quality. Accent is on form and there is substance to spare. One of the better whites of this, or any season.

Only the passing of time will establish the accuracy of our first impressions, or perhaps give us cause for second thought. But let me ask you once more, as of right now, do you think this was a good year? An outstanding year? Or perhaps even a vintage year?

Award Winning Collection to Southern Illinois University

John C. Brown, owner of "The Iris Garden" nursery at Collinsville, Ill., has presented more than 500 varieties of irises to Southern Illinois University's new campus at Edwardsville. The collection includes all irises which have won the Award of Merit, and is planted in a special garden on the University entrance road. Mr. Brown has made a lifetime hobby of collecting iris varieties.



Left to right: Edward P. Hume, SIU horticulturist; Charles B. Schweizer, assistant director of the SIU Foundation; John C. Brown, donor of the collection. (Photo courtesy SIU.)

From the Editor's Desk

As I look back over the 1967 season and the gardens in five states, I must conclude that the best single stalk that I saw was Larry Gaulter's JILBY as grown in the G. E. Redman garden. This one was a show-stopper and a garden-stopper, and raised everyone's enthusiasm for growing irises.

Jay Ackerman, who serves as treasurer of AIS, has retired as General Plant Manager of the Mississippi Valley Structural Steel Corporation, after a service of 41 years.

The Northwest Median Society, long a supporter of scientific activities, again this year sent a check, this time of \$47.93, for the use of the Scientific Committee.

New family-life members are Mr. and Mrs. Robert G. Davis of Lawton, Okla. Welcome.

Dr. Anne Lee writes enthusiastically that she has found a marking pen that writes with paint-like consistency, and which has lasting qualities. This pen, manufactured by the Mart-Tex Corporation, comes in any color you wish, and Dr. Lee says that the colors are bright, clear and indelible.

We have been receiving a number of enthusiastic letters about the judging schools which Bill Bledsoe and Fred Stephenson conducted. Equally enthusiastic are the reports on the talks which Bob Schreiner gave in Region 13, that Steve Moldovan gave in Region 6, and that Cliff Benson gave in Region 18. Region 17 met while the Board was in session, and President Fischer fascinated with his slides of his European travels. One of the features of the Northwest Median meeting was a report by Ron Beattie and Tom Heston of the FAIRY FLAX X WHOLE CLOTH cross, which produced seedlings of all sizes and seasons from MDB to TB.

Noted with interest a report from Paul Nott that FLAME KISS, with plenty of water and fertilizer, will rebloom on about half of the clumps in late August and early September, and with an increasing number in October and November. Also that GIBSON GIRL is a rather reliable rebloomer from late August to early November, and that PERSIAN PATTERN in the favored Willamette Valley climate blooms three times a year.

The Slides Committee sent out 72 slide sets last year, an increase over the year before. But many of the affiliates, who have a free showing as a benefit of their affiliation, have not availed themselves of this opportunity.

While we were in Dallas, the Bergins treated us to a visit to Tenison Park and the developing iris display garden. We noted with pleasure the advantageous spot the iris garden has, where it cannot help but be seen from the highway. This garden in full bloom ought to attract many visitors. Saw some rebloomers in the garden.

The plaque with the picture of Clara Rees and SNOW FLURRY elsewhere in this issue shows SNOW FLURRY descendants, and was constructed as an educational exhibit at the 1963 Central Valley Iris Society show. The architects are Mark and Brian Leighton, then 12 and 11 years of age.

One of the unusual local programs was that of the New Braunfels, Texas, club. They featured hybridizers and their creations. We were able to send to them twenty-one pictures of hybridizers for this program.

Twenty-six members won memberships as a result of the membership campaign. The top winners were Mr. and Mrs. Perry Parrish. Region 22 had the largest net gain in membership, 21.67%. This illustrates what an enthusiastic corp of workers can do. As we see it, a fifty per cent growth in membership would solve our financial problems, and even forestall an increase in dues. Maybe a good slogan would be for **EVERY MEMBER GET ANOTHER MEMBER**. We tried the technique at the Omaha club the other evening, when we used the January Bulletin to illustrate how a Bulletin is put together, and we got our members, and think that because of the interest, the Omaha area will have several new members.

Feast or famine. After three issues of having eleven lead and feature articles not come in on time, or never come in, the drouth broke with the October Bulletin.

Some oversight, but not enough to fill a 16 page signature. So the rest will go in April *Bulletin*.

Take black-and-white photos to accompany articles in the *Bulletin*. We can use slides, but the convert cost is killing us.

As we finish these few lines to fill out a page, we note that the sheaf of copy for this *Bulletin* measures almost five inches. It is a nerve-wracking problem to keep all copy filed, as the *Bulletin* is paged.

A Happy New Year; may the bloom be the best ever; and see you in California.



Part of the Region 18 Delegation at the Denver Meeting.

AMERICAN IRIS SOCIETY
SEED EXCHANGE LIST
1968
SPECIES COMMITTEE

The Species Committee has over 150 different kinds of seed ready for distribution. There still is time to partake of the values in species iris seeds from the Seed Exchange. A request to:

Mrs. John R. Hardy

206 Hunsaker Lane

Eugene, Oregon 97402

will bring you an order blank. SEND A STAMPED ENVELOPE.

The list of available seeds covers almost the entire range of species irises, including seeds from thirteen collected *pumilas* from Czechoslovakia.

For the daring, the young at heart, the experimenter, the research-minded, this is a golden opportunity to try something new.

AMERICAN HORTICULTURAL CONGRESS

Cleveland, Ohio, September 21, 1967

Citation In Amateur Horticulture To HUBERT A. FISCHER

For Leadership and Service in Local, National and International Gardening and Plant Organizations and for the Origination of Improved Cultivars of Several Kinds of Plants.

Hubert A. Fischer of Hinsdale, Illinois, is the best example to be found of an ideal amateur gardener, and with his wife, Marie, a gardening family. Their interest goes back to before the first World War when she took care of his garden while he was in service. When he returned in 1919 they were married and their gardening interests were combined, and now after almost 50 years they are still active gardeners. Professionally he is a gemologist certified by the Gemology Institute of America, and has been engaged in the business of gem stone importing and sales to dealers.

Mr. Fischer's horticultural activities have not been confined to his own gardening, because he has given leadership to many amateur horticultural groups. Currently he is President of the American Iris Society of which he has been a member from almost its beginning. He is a charter member of the American Hemerocallis Society and served as its president. In the Chicago area he served as president of the Chicago Men's Garden Club, the Hinsdale Men's Garden Club, and the Chicago Daylily Society.

His garden shows the varied plant interest he and Mrs. Fischer have, which include oriental poppies, peonies, daffodils, lilacs and practically all kinds of plants that will grow in the area. His hybridizing work with irises and day lilies is well known in other parts of the world as well as in the United States, and he has received numerous awards for his originations in international competitions in Germany, Austria and England. He has served on a team of international judges at Florence, Italy, and Hamburg, Germany.

He has received many honors and awards, including the Hutchinson Medal of the Chicago Horticultural Society, the Helen Field Fischer gold medal of the American Hemerocallis Society, the Chicago Men's Garden Club medals for service and horticulture, and awards from the City of Hamburg, Germany, and Vienna, Austria, for participation and service in their International Horticultural Exhibits.

NEW MEMBERSHIP LIST IN APRIL

Publication of a new membership list in the April 1968, *Bulletin*, was authorized by the Board of Directors at its recent fall board meeting in Dallas. The list will be compiled as of February 1st, 1968, and will be limited to members in good standing.

Names of paid-up "C" group members will appear automatically. "A" group members, who were recently furnished dues notices, **MUST** return their renewal dues to the St. Louis office on or before February 1st, 1968, in order for their names to appear in the new membership list.

HYBRIDIZERS IMMEDIATE ATTENTION

Members attending the Berkeley convention will be asked to select their favorites among the guest irises in the tour gardens. For results of a similar poll at Denver last year, see page 94 of the July 1967 Bulletin.

In order for the NEWER GUEST IRISES BALLOT to be as complete as possible, each hybridizer who has sent to this year's tour gardens REGISTERED irises that have NOT won the HM award, is requested to send the names of the irises in this category, prior to March 1, to the AIS Executive Secretary, Cliff W. Benson, 2315 Tower Grove Blvd., St. Louis, Missouri 63110.

Minutes of Directors' Meeting

Northpark Inn, Dallas, Texas

November 4-5, 1967

The meeting was called to order at 8:30 A.M. by President Fischer with the following in attendance: First Vice President Nelson, Second Vice President Bledsoe, Past Presidents Carney and Rogers, Directors Allen, Buxton, Gaulter, Hamblen, Schreiner, Varnum, Treasurer Ackerman and Executive Secretary Benson. Absent: Directors Bartholomew, Durrance and Wood. Mrs. Kay Negus, Assistant BULLETIN Editor, Herbert M. Parker, Chairman, Scientific Committee, Dr. Hugo Wall, newly elected Board member and Leon Wolford, RVP Region #17, attended the sessions.

The four nominees for the Board of Directors whose names were submitted to the AIS membership by letter dated July 10, 1967, in accordance with the bylaws, were declared elected for three-year terms. They are Mrs. James R. Hamblen, Mr. J. Arthur Nelson, Mr. Edward E. Varnum and Dr. Hugo Wall. Dr. Wall succeeds John A. Bartholomew, whose term expires in 1967.

The following official motions were duly made, seconded and passed by the Board.

Approval of the minutes of the Board meeting in Denver May 30th and 31st, published in the July 1967, BULLETIN.

The reports by chairmen of the following committees were approved with appreciation of the valuable services rendered the Society:

Affiliates & Sections	Mr. Edward E. Varnum
Awards	Mr. J. Arthur Nelson
Exhibitions	Mr. Wm. T. Bledsoe
Garden Judges	Mrs. Walter H. Buxton
Honorary Medals	Mr. Robert S. Carney
Judge's Training	Mr. Larry Gaulter
Membership	Mr. Clifford W. Benson
Publications	Mr. J. Arthur Nelson
Public Relations & Publicity	Mr. Joe Gatty (by Fischer)
Registrations	Mrs. James R. Hamblen
Round Robins	Mr. Wm. J. Krasting (by Fischer)
RVP Counsellor	Mr. Robert S. Carney
Scientific	Mr. Herbert M. Parker
Slides	Mr. Robert Schreiner
Species Iris Study Group	Mr. LeRoy Davidson (by Fischer)
Test Gardens — National	Dr. Ray C. Allen
Test Gardens — Regional	Dr. Jack R. Durrance (by Fischer)
Youth Committee	Mrs. Elizabeth H. Rowe (by Fischer)

Treasurer J. C. Ackerman presented a report on the financial condition of the Society as audited by Harris, Reems and Ambrose, certified public accountants, Lansing, Michigan. The report was accepted with sincere appreciation and publication in the BULLETIN was authorized.

Executive Secretary Benson reported on the present membership of the Society

by Regions and States and reported that the Society had 6592 paid up members, November 1st, as compared with 6732 one year ago. Region #17 was reported as being the largest Region in membership. Region #18, second; Region #6, third; Region #4, fourth; Region #15, fifth; Region #22, sixth; Region #14, seventh; Region #24, eighth; Region #7, ninth and Region #9, tenth.

It was voted not to conduct the International Symposium in Milwaukee during the AIS National Convention in 1969.

It was voted that the January BULLETIN carry the Popularity Poll ballot in the form of a tear-out sheet. This method of handling the Popularity Poll will reduce the cost factor by eliminating postage and mailing service charges.

After a thorough discussion, the Board of Directors strongly recommends that an HC Award should not be voted for a first-year seedling.

It was voted to increase the fee for registering an iris from \$2.00 to \$3.00 effective April 1st, 1968.

It was voted to move the National Test Garden from Forth Worth to the Ketchum Memorial Garden, Memphis.

It was voted to change the name Regional Vice-President to "Regional Chairman" subject to approval of the membership at large.

It was voted to increase the price of commercial advertisements, effective October 1st, 1968, as follows:

Single space, one-inch: \$12.50 Double space, two-inches: \$20.00

It was voted that the immediate past president perform the duties of RVP Counsellor in lieu of the AIS second vice president, as mentioned in the bylaws.

The resignation of Mr. Larry Gaulter as a Board member was accepted.

Mr. Clarke Cosgrove, San Gabriel, California, was appointed to the Board of Directors to replace Mr. Gaulter for the remaining two years.

The Distinguished Service Medal was awarded to Mr. Larry Gaulter.

The Hybridizer's Medal was awarded to Mr. Charles W. Arny, Jr., and Miss Clara B. Rees.

Mrs. Earl S. Mount, New Mexico, was appointed an Honorary Judge.

The following members were appointed Senior Judges:

Mr. Ben S. Azer, Michigan	Mr. Bennett C. Jones, Oregon
Mr. O. T. Baker, Colorado	Mrs. J. M. Leonard, Texas
Mrs. John A. Bartholomew, Massachusetts	Mrs. J. Arthur Nelson, Nebraska
Mr. Milton W. Blanton, Georgia	Mr. W. W. Norton, Texas
Mrs. L. E. Brooks, Texas	Mr. Carl Quadros, California
Mrs. Ed Conrad, Idaho	Mr. C. M. Reynolds, Utah
Mrs. Peg Dabagh, California	Mr. M. B. Satterfield, Georgia
Mrs. Zeh Dennis, Arkansas	Mr. W. G. Sindt, Minnesota
Mrs. Anna Dodson, Kentucky	Mr. C. W. Smith, South Dakota
Mrs. Eugene G. Hamill, Pennsylvania	Mr. R. C. Solomon, Utah
Mr. C. Allen Harper, Missouri	Mrs. Cyrus Stanley, Oklahoma
Mr. H. H. Henkelman, Texas	Mrs. Guy E. Stevens, Pennsylvania

Appointments of new RVPs for 1968 were made as follows:

3. Mr. William T. Hirsch, Golf Road & Leedom Avenue, Havertown, Pa. 19083.
4. Mr. Frank Sherrill, 410 Woodlawn Street, Davidson, North Carolina 28036.
6. Mrs. Jeff Zuercher, 121 East Union Street, Portland, Indiana 47371.
8. Mr. Clarence H. Protzmann, 400 East Van Norman Ave., Milwaukee, Wis. 53207.
9. Mr. D. Steve Varner, North State Street Road, Monticello, Illinois 61856.
12. Mr. Bion Tolman, 4399 Carol Jane Drive, Salt Lake City, Utah 84117.
14. Mr. Glenn F. Corlew, 2988 Cherry Lane, Walnut Creek, California 94598.
18. Mr. Russell Morgan, RR #4, Parsons, Kansas 67357.
22. Mr. Perry L. Parrish, 4908 N.W. Grand Blvd., Oklahoma City, Okla. 73112.

The following RVPs who have served either one or two years were reappointed for 1968:

- | | |
|---------------------------|-----------------------------|
| 1. Mr. Kenneth M. Waite | 15. Mrs. Barbara Serdynski |
| 2. Mr. William H. Peck | 16. Mr. Douglas Insleay |
| 5. Mrs. Vivian Buchanan | 17. Mr. Leon Wolford |
| 7. Mr. Franklin Tice | 19. Mr. Paul L. Hoffmeister |
| 10. Mrs. Ruth Noel | 20. Mr. Charles P. Gordon |
| 11. Mrs. Ed Conrad | 21. Mr. Larry L. Harder |
| 13. Mr. Herbert M. Parker | 23. Mrs. Bernard Lowenstein |
| | 24. Mr. Joe M. Langdon |

William T. Bledsoe was appointed Judge's Training chairman; Clarke Cosgrove, Exhibition co-chairman; William J. Krasting, Round Robin chairman; Edward E. Varnum, National Convention Liaison chairman and Dr. Hugo Wall, Membership chairman.

The following schedule of annual conventions was reviewed and approved:

1968 Berkeley, California	April 29, 30—May 1 & 2
1969 Milwaukee, Wisconsin	June 5, 6, 7
1970 New York City, New York	May 29, 30, 31
1971 Wichita, Kansas	May 12, 13, 14, 15
1972 Salem-Portland, Oregon	Dates undetermined
1973 Philadelphia, Pennsylvania	Dates undetermined
1974 Cleveland, Ohio	Dates undetermined

The following officers were elected for the ensuing year:

President	Mrs. Hubert A. Fischer
First Vice President	Mr. J. Arthur Nelson
Second Vice President	Mr. William T. Bledsoe
Treasurer	Mr. Jay C. Ackerman
Executive Secretary	Mr. Clifford W. Benson

A vote of thanks was extended to Mr. Leon Wolford, RVP Region #17, and his associates for their excellent arrangements and hosting provided for this meeting.
The Board meeting was adjourned at 12:00 P.M. November 5th.

CLIFFORD W. BENSON
Executive Secretary

DUPLICATE OF STATEMENT REQUIRED BY THE ACT OF OCTOBER 23, 1962, (SECTION 4369, TITLE 39, UNITED STATES CODE) SHOWING THE OWNERSHIP, MANAGEMENT AND CIRCULATION OF THE BULLETIN OF THE AMERICAN IRIS SOCIETY.

- 1. Date of filing: October 1, 1967.
- 2. Title of publication: BULLETIN OF THE AMERICAN IRIS SOCIETY.
- 3. Frequency of issue: Quarterly—January, April, July and October.
- 4. Location of known office of publication: 2315 Tower Grove Blvd., St. Louis, Missouri 63110.
- 5. Location of publishers: 2315 Tower Grove Blvd., St. Louis, Missouri 63110.
- 6. Names and addresses of publisher and editor: The American Iris Society, 2315 Tower Grove Blvd., St. Louis, Missouri 63110; Editor, J. Arthur Nelson, 3131 North 58 St., Omaha, Nebraska 68104.
- 7. Owner: The American Iris Society, 2315 Tower Grove Blvd., St. Louis, Missouri 63110. No stockholders—only dues paying members (non-profit horticultural).
- 8. Known bondholders, mortgagees, and other security holders owning or holding one percent or more of total amount of bonds, mortgages, or other securities: None.
- 9. The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes have not changed during the preceding twelve months.

10. <i>Extent and Nature of Circulation</i>	<i>Average No. Copies Each Issue During Preceding 12 Months</i>	<i>Single Issue Nearest to Filing Date</i>
A. Total No. Copies Printed	6,225	6,100
B. Mail Subscriptions	5,488	5,676
C. Total Paid Circulation	5,488	5,676
D. Free Distribution	80	25
E. Total Distribution (Sum of C and D)	5,568	5,701
F. Office Use, Left-over, Unaccounted, Spoiled after Printing	657	399
G. Total (Sum of E and F)	6,225	6,100

I certify that the statements made by me above are correct and complete.

CLIFFORD W. BENSON
Executive Secretary

Report of the Treasurer

For Fiscal Year Ending September 30, 1967

Current Assets

Cash in Banks

Central West End Bank, St. Louis (transfer acct.)	\$ 5,106.13
Central West End Bank, St. Louis (petty cash)	1,000.00
American Bank & Trust Co., Lansing (admin. acct.)	3,236.76
Total Cash in Banks	\$ 9,342.89

Reserve Funds

American Bank & Trust Co. (Savings Acct. #12749)	\$20,046.56
American Bank & Trust Co. (Scientific & Research Acct. #13787)	7,034.49
Total Reserve Funds	\$27,081.05

Investments

7 U.S. Series J Bonds \$1000 Maturity Value each	\$ 5,040.00
2 U.S. Series J Bonds \$500 Maturity Value each	720.00
Total Investments at Cost	\$ 5,760.00

Physical Assets (Estimated)

Furniture and Equipment	\$ 1,969.00
No Books "Garden Irises"	None
Other books, old checklists, Bulletins, etc.	705.00
Exhibition Supplies	1,500.00
Color Slides	44.00
2275 — 1959 Checklists at cost	5,570.00
Total Physical Assets	\$ 9,788.00
Total Net Worth	\$51,971.94
Loss in Net Worth	\$ 2,739.19

STATEMENT OF RECEIPTS AND DISBURSEMENTS

Cash in Banks, October 1, 1966

Easton-Taylor Trust Co., Petty Cash Account	\$ 1,000.00	
Easton-Taylor Trust Co., Transfer Account	2,441.66	
American Bank & Trust Co., Admin. Account	8,384.08	\$11,825.74
Cash Receipts for Fiscal Year		38,950.13
Transferred from Scientific and Research Account		None
		\$50,775.87

Disbursements for Fiscal Year

Transferred to Other Accounts

Cash Reserve	\$782.20		
Scientific and Research	274.46	1,056.66	41,432.98

Cash in Banks as of October 1, 1967

Central West End Bank, Petty Cash Account	\$ 1,000.00	
Central West End Bank, Transfer Account	5,106.13	
American Bank & Trust Co., Admin. Account	3,236.76	\$ 9,342.89

STATEMENT OF RECEIPTS

Memberships

Renewal Single Annual	\$11,910.28
Renewal Family Annual	4,440.48
Renewal Single Triennial	2,662.50
Renewal Family Triennial	1,154.50
New Single Annual	3,231.50
New Family Annual	987.00
New Single Triennial	400.00
New Family Triennial	120.00
Sustaining	110.00
Research	170.00
Life	650.00
Affiliate	100.00
	\$25,846.26

Others

Dues Collected for Sections of Society	\$ 1,095.00
Dues Collected for BIS	569.10
Books, Color Charts & Merchandise for Resale	1,520.35

Bulletins	135.47
Old Check Lists	62.50
Slides	317.13
Membership Tapes	309.79
Bulletin Advertising	3,107.11
Registration Committee	1,138.00
Exhibition Committee	2,878.66
Miscellaneous	503.84
Garden Irises	191.70
Interest Earned	1,056.66
1959 Check Lists	142.50
Research Gift — Northwest Median Society	28.56
Research Gift — Memphis Iris Pins	47.50
	\$13,103.87
Total Receipts	\$38,950.13

STATEMENT OF DISBURSEMENTS

<i>Bulletin Expense</i>	\$ 1,850.00
Salaries	10,397.00
Printing	765.00
Engraving and Photography	626.87
Postage and Envelopes	67.36
Supplies	67.36
Miscellaneous	\$13,773.59
<i>Secretary's Office Expense</i>	\$11,090.00
Salaries	1,571.16
Postage and Shipping	575.35
Printing	164.54
Supplies	132.93
Telephone and Telegraph	104.00
Insurance	210.04
Refunds	550.45
Secretary Travel Expense	742.77
Books, Etc. for Resale	1,000.00
Gifts (in lieu of rent)	141.28
Miscellaneous	225.81
Garden Irises	145.75
Equipment Repairs and Maintenance	847.52
Advertising	\$17,601.60
<i>Other Expenses</i>	\$ 2,189.27
Awards Account	1,755.41
Exhibition Account	150.00
Membership Account	1,764.00
Registration Account	213.50
Robin Account	32.00
Test Garden Account	80.24
Slides Account	84.37
RVP Account	210.16
Officers Printing Account	617.21
Payroll Taxes	25.97
Judges' School Committee	526.00
BIS for American Memberships — 1966	250.00
Scientific and Research Account	1,103.00
Dues Returned to Sections of Society	\$ 9,001.13
	\$40,376.32
<i>Total Disbursements</i>	782.20
Transferred to Scientific Research	274.46
Transferred to Cash Reserve	
Total Disbursements and Tranfers	\$41,432.98

JAY C. ACKERMAN, *Treasurer*

ERRATA

On pp 50-51 of the October 1967 *Bulletin*, the years 1966 and 1967 are reversed. Pen in the change to avoid confusion later. Thank you.

Sections of the American Iris Society

The conditions under which a special-interest group may become a Section for AIS are—

1. The American members of the society must be members of AIS.
2. Its bylaws must be approved by the AIS.
3. Participation in the AIS registration and award systems is required.
4. Provision for publication of articles of general interest, exclusive of newsletters, may be arranged.

The president of a Section is a member of the AIS Board of Counselors, and societies having Sectional status will be listed in the *AIS Bulletin*.

1968 MEMBERSHIP CAMPAIGN

Your membership committee appreciates greatly the fine contributions of the many who worked on the 1967 campaign, and speaks for an enthusiastic participation in the 1968 campaign by workers in all 24 of our Regions. We hold to the same target, A SUBSTANTIAL NET GAIN OF NEW MEMBERS REALLY INTERESTED IN IRISES AND OUR SOCIETY'S OBJECTIVES. The membership campaign is from October 1, 1967 to September 30, 1968.

CAMPAIGN PLAN

For every six new members secured, the participant will be awarded one single annual membership extension.

For every seven new members secured, the participant will be awarded one family membership extension.

Participants will be credited for the various types of membership to the following schedule:

<i>Type Membership</i>	<i>Will Count As</i>
Single Annual	1 new member
Family Annual	2 new members
Single Triennial	3 new members
Family Triennial	5 new members
Sustaining	5 new members
Research	10 new members
Life Membership	25 new members
Family Life Membership	30 new members
Change from Single Annual to Family	1 new member
Change from Single Triennial to Family	2 new members

RULES

1. Each new membership must be sent to the Regional Vice President or Regional Membership Chairman within one week after it is secured.
2. Each new membership should be reported to the RVP on a separate slip of paper (postcard size) showing name, address of participant securing the new member. This slip should be used by the RVP in reporting to the MEMBERSHIP CAMPAIGN CHAIRMAN.
3. New memberships are to be credited only to the participants securing them.
4. Renewal of memberships after lapse of one year will count as a new member.
5. New memberships received by the Secretary in the St. Louis office after September 30, 1967, will not be counted.

AWARDS FOR REGIONS

Cash awards are offered to the Regions actively participating in our Membership Campaign. Their purpose is to stimulate efforts in retaining the members we have. We accomplish little for our Society if a member drops out after one or two years of membership.

To the Region with the largest net gain in membership an award of \$50.00

To the Region with the second largest net gain in membership an award of \$25.00

To the Region with the largest percentage net gain in membership an award of \$50.00

To the Region with the second largest percentage net gain in membership an award of \$25.00

DR. HUGO WALL
Membership Chairman

IRIS SLIDES FOR RENTAL

The American Iris Society maintains numbers of excellent sets of iris slides for rental. Each set contains 100 slides, 35mm size. A list of the names of the irises accompanies each set. Ideal for a program for your iris meetings and garden club meetings, these slides are a fine way to study the new irises. Are you considering, or would you like to see, some new irises? What better way than to rent a set of slides and keep informed on the newer varieties.

For that additional program fill-out the following sets are offered:

- . . . Set of the newer tall bearded irises, including many of the recent award winners—top favorites—and selected garden scenes.*
- . . . Set of various bearded species and hybrids, other than tall bearded, including standard dwarf, intermediate, table, and border bearded types, and some very special slides of the arils in various types.*
- . . . Set of various bulbous irises including reticulatas and juno irises. Also many species and hybrids of the beardless family including: Crested, Louisiana, Western natives, Spurias (including some of the most recent spurias just out), Siberians, and Japanese.*
- . . . Set of the ever popular, less expensive, fine bearded irises that have stood the test of time and grace any garden with their beauty and excellence.*
- . . . Set of irises at the AIS convention in Newark 1966. For those who could not go to Denver here is a picturization on film of many, many of the very newest irises. See them in the comforts of your own meeting room. Yes, you'll see new irises, gardens, and intimate glimpses of some of the iris personalities who attended the Newark convention.*

Requests for slides should be made well in advance for proper scheduling, preferably 30 days or longer. Include a second date if possible. Give the exact date desired so that slides can be sent insured airmail. They are to be returned in the same manner. The rental fee is \$5.00, payable in advance, for each set of 100 slides. Make checks to the American Iris Society and mail with your receipts to:

*ROBERT SCHREINER, Chairman, Slides Committee,
Route 2, Box 301, Salem, Oregon, 97303.*

ATTENTION AFFILIATES

All affiliates are entitled to a free showing of AIS slides once a year. Be sure to give Mr. Schreiner thirty days' notice, and order the slides in the name of the affiliated club, giving the name of the president of the club.

All affiliates are entitled to one silver medal and one bronze medal, free of charge for their show. Order these at the time the report is sent to the Exhibition Chairman.

If there is a change in the name of the president of the club, be sure to notify Mr. Varner, Mr. Benson and the editor of the *Bulletin* at once, so that the proper name and address can appear in the *Bulletin*, and that the *Bulletin* can be mailed to the proper address.

AIS MEMBERSHIP RATES

Annual	\$ 5.00	Sustaining	10.00
Triennial	12.50	Research	25.00
Family	6.00	Life	100.00
Family Triennial.....	15.00	Family Life	125.00

SECTION DUES

	<i>Japanese</i>	<i>Median</i>	<i>Siberian</i>	<i>Spuria</i>
Single Annual	\$2.00	\$2.00	\$1.00	\$1.00
Single Triennial	5.00	5.00	3.00	2.50
Family Annual	2.50	2.50		1.50
Family Triennial	6.00	6.00		3.50
Annual Supporting	3.00	3.00		3.00

IMPORTANT: Section dues, if paid through AIS, **MUST** be for the same duration as your AIS dues. AIS FAMILY member desiring SINGLE Section membership, **PLEASE** indicate which person is applying for Section membership.

BULLETIN ADVERTISING RATES

COMMERCIAL DIRECTORY (listings in alphabetical order)

Rates per four issues—no discounts

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Double space (not to exceed 12 lines) 16.00

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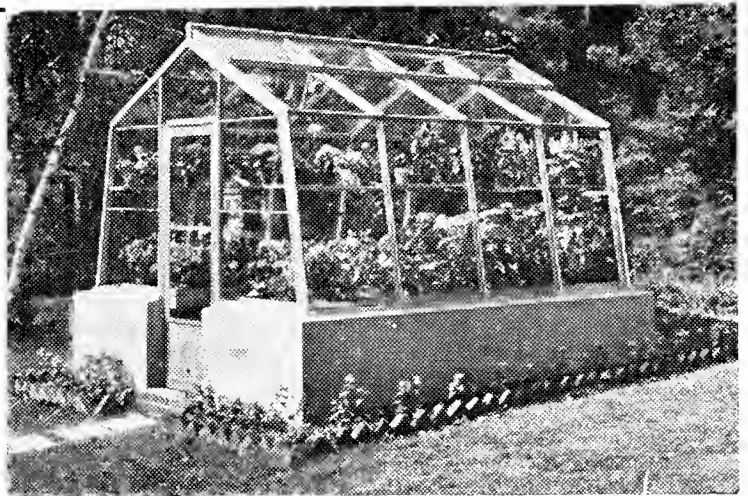
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with lavender beard

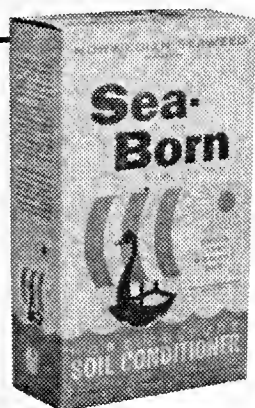
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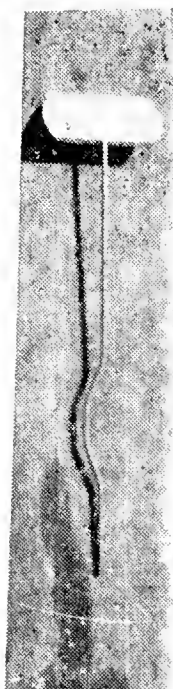
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REGISTRATIONS AND INTRODUCTIONS IN 1967

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BULLETIN of the

AMERICAN IRIS SOCIETY

JANUARY 1968

NUMBER 188

PRINTED IN TWO SECTIONS • SECTION 2

INTRODUCTIONS AND REGISTRATIONS IN 1967

Corrections in Earlier Registrations

- BLUE MINK (Mrs. J. R. Hamblen, TB, R. 1966). Correction of seedling number to 639E. Correction of parentage to Lilac Champagne X 60-141.
- BUTTERFLY BABY (Mrs. Jesse Herd, R. 1966). Change of classification from TB to BB, 27".
- CHAMPAGNE PUNCH (Gordon, TB, R. 1965). Change of name. (Registered as Ramona).
- CORNING (Leo Clark, Oncocyclus, R. 1966). Correction of parentage to: ((I. samariae x Austin's W83-0 (I. jordana x I. atropurpurea)) X El Kizar.
- DIFFERENT (Tim Craig, R. 1966). Change of classification from Oncobred to TB.
- GOLDIANA (Eugene Sundt, Eupogocyclus, R. 1959). Correction of spelling. (Registered as Goldina).
- JUDEAN MOON (Leo Clark, Oncocyclus, R. 1966). Correction of parentage to: 55-1 ((I. lortetii x I. gatesii x (Teucros x I. aurantica) x Charon)) X 55-14 ((I. gatesii x I. susiana) x I. nazarena)) x ((I. helenae x Austin's W118 (I. aurantica x Charon)) x Kerr 53-44 (Eunice x I. susiana) x Judean Cream.
- KATHRYN WESTON (Earl Snyder, R. 1962). Change of classification from MTB to BB.
- LEMON SPOT (Dorothy Willott, R. 1965). Change in classification from MDB to SDB.
- MAUVE DECADE (Charles Wm. Voris, TB, R. 1966). Name changed to SERGEANT CAMPOS.
- PATSY JO (Kavan, R. 1962). Change of classification from SDB to MDB, 9".
- POMO CHIEF (M. Knopf, R. 1964). Change in classification from AR to TB.
- RAMONA (Gordon, TB, R. 1965). Change of name to Champagne Punch.
- SERGEANT CAMPOS (Charles Wm. Voris, TB, R. 1966). Change of name from Mauve Decade.
- SUNBURST (Bledsoe, TB, R. 1965). Name changed to SUNBURST DUET because of earlier registration of same name.
- SUNBURST DUET (Bledsoe, TB, R. 1965). Name changed from Sunburst because of earlier registration of same name.
- TIDA APA (Leo Clark, Oncocyclus, R. 1966). Correction of parentage to: Kerr 55-9-A (((I. gatesii x (Teucros x I. aurantica) x Charon)) x Austin's W83-0 (I. jordana x I. atropurpurea))) X Kerr 53-44 (Eunice x I. susiana) x Clark sdlg. ((I. helenae x Austin's W118 (I. aurantica x Charon))).

The 1967 Registrations and Introductions

Records of 1967 introductions registered in previous years are indicated with a *; for example, *AD ASTRA. A change in name or release of name is indicated with a #.

- ABOU BEN ADHEM (John Holden, R. 1967). Sdlg. Ha8a. Onco hybrid, 16", M, Y5Pcm. S. gray yellow, lightly veined purple (RHS 160D); F. same with darker, broad beard, brown-red signal. I. gatesii X I. sari.
- ACCENTUATION (Earl R. Roberts, R. 1967). Sdlg. SPWR5. TB, 36", M, Y3Dcm. S. light brown; F. light brown with large rust brown spot. Silver Peak X Wine and Roses.
- ADAMSBLACK (Tom Craig, R. 1967). Sdlg. R66-4. TB, 34", E-ML, R1DD. Deep red-black (crimson influence) self. Adam X (((Ruth Couffer x Sable Night) x ((Bang sib x Technicolor) x ((Conquistador x Moa) x Destiny) x Crimson Tide)))). Craig 1967.
- *AD ASTRA (Babson, TB, R. 1964). Melrose Gardens 1967.
- *ADELE STEARNS (E. & A. Watkins, TB, R. 1966). Fairmount 1967.
- *ALASKAN SUNSET (Gordon Plough, TB, R. 1966). Eden Road 1967.
- ALBERT NAMATJIRA (Arthur A. Bilston, R. 1967). TB, 36", M, RV4VR. S. plum-violet; F. wine-red; orange beard. Oriental Glory X Belle Meade.
- ALBINO PLUMES (Gordon W. Plough, R. 1967). Sdlg. 61-171-23. TB, 35", ML, W1C. Cool white self; beard orange to pure white at tip. Inv. Cascadian, Cherie, First Flight sib, Gold Ruffles, Snow Flurry, Spanish Peaks, Whir of Lace X Azure Lace.
- *ALICE BLUE GOWN (Blocher, TB, R. 1962). Blocher 1964.
- ALICE NELL (Harry W. Riggs, R. 1967). Sdlg. 1-C-26. TB, 42", M, W1C. S. white tinted lavender at base; F. white with green veins; yellow beard. Unknown parentage.
- ALL SEASON (Eva Smith, R. 1967). Sdlg. 64-458. TB, 36-38", E-L, Y4Wcm. S. light yellow, waved; F. white bordered yellow; orange beard. (Idaho Gold x Celestial Snow) X Idaho Gold.
- ALMOND PINK (Margaret Beck, R. 1967). Sdlg. 6431. TB, 38", E-M, O1P. Bright pink self; fiery coral beard; thick leathery petals. (June Meredith x Cameo Coral) X (June Meredith x Happy Birthday).
- ALMOST (W. G. Kellie, R. 1967). Sdlg. OB 60-8 B. Arilbred, 26", E, VB4Y. S. violet-blue; F. yellow, tan and brown, layered. Asoka of Nepal X I. gatesii. Aril Society 1967.
- *ALPINE HALO (Alta Brown, IB, R. 1966). Brown's Iris Gardens 1967.
- *ALPINE YODLER (Fail, TB, R. 1963). Hilda's Iris Garden 1967.
- AMBERITA (Gordon W. Plough, R. 1967). Sdlg. 61-183-4. BB, 27", ML, OY3D. S. medium tan-brown; F. bright golden-brown; orange beard. Chocoleto X Bonnie Lassie.
- AMY VERONICA (Teresa J. Martin, R. 1967). Sdlg. 66-G5. TB,

- 32", M, GY1F. Brilliant yellow self with green cast, narrow apple green blaze at end of yellow beard. 7-64 ((Char-Maize x Queen's Lace) x Curl'd Cloud)) X Green Chance.
- ANCIENT AMBER (H. Senior Fothergill, R. 1967). Sdlg. 4/17. TB, 42", E-L, RO3L. S. rosy amber; F. amber-buff. 9/17 ((Mary Randall x (St. Crispin x Hi Time)) X (Hamblen yellow sdlg. x Ancient Egypt)).
- *ANGEL LACE (Luella Noyd, TB, R. 1966). Noyd 1967.
- ANGEL MUSIC (Alta M. Brown, R. 1967). Sdlg. M 896-13. SDB, 13", E, VB1P. Clear lavender-blue (Wilson bluebird blue 042/3) self; ruffled; heavy lavender-blue beard. M61 (Snow Flurry x Sea O' Blue) X 63-60-2 (Green Spot x Blue Denim).
- *ANNIKINS (Beatrice A. Warburton, IB, R. 1966). Old Brook and Warburton 1967.
- *APERITIF (Gordon Plough, TB, R. 1966). Eden Road 1967.
- *APOLLO'S GIFT (Romona Blodgett, TB, R. 1966). Blodgett 1967.
- APRICOT CROWN (Harry Hite, R. 1967). Sdlg. 57-50. TB, 32", E, Y4R. Variegata; S. mustard yellow; F. brick-red. Unknown parentage.
- APRICOT DRIFT (Romona Blodgett, R. 1967). Sdlg. 67-12A. BB, 24", EM, YO1L. Apricot (Wilson 609/1) self. 62-47 (Apricot Glory x Dolly Varden) x ((Apricot Glory x Dolly Varden) x Muhlestein 49-31A)) X Top Flight.
- *APRICOT ROYAL (Bennett Jones, TB, R. 1966). Jones 1967.
- *APRIL MELODY (Gibson, TB, R. 1965). Cooley's 1967.
- APRIL SUNBEAM (Thelma D. Carrington, R. 1967). Sdlg. 435-A. TB re, 36", M-L, Y1F. Yellow self with self beard; lightly laced and ruffled. Happy Birthday X Butterscotch Kiss.
- *ARABECA (Maynard Knopf, TB, R. 1966). Knopf 1967.
- ARABIAN KNIGHT (John Holden, R. 1967). Sdlg. Ha5a. Onco hybrid, 16", M, V5Pcm. S. gray, lightly veined and dotted purple (RHS 156C); F. same, dark signal. I. gatesii X I. haynei.
- ARDI LOY (Les Peterson, R. 1967). Sdlg. LP 65-15. BB, 20-22", ML, RV1D. Peony purple (Wilson 729/1) self; brown-red beard. (Sdlg. from Mary Randall x sdlg. from long line of TB reds and yellows) X Orange Parade. HC 1967.
- ARIL BLACK (N. T. Willbanks, R. 1967). Sdlg. 319-2. Arilbred, 28", E, RV3. S. port wine, veined darker; F. purple-black, darker in center. King Henry X Black Joppa. Willbanks 1967.
- AUNTIE MAME (Mamie A. Thompson, R. 1967). Sdlg. T-35-2. TB, 28", M, O1P. Coral pink self. Ballerina X T-56-2 ((4931-6 x Heritage) x Pink Papa)).
- AUTUMN ASPEN (Frank J. Foster, Jr., R. 1967). Sdlg. R-1-10. TB re, 30", E & re, Y1F. Deep buttercup yellow self, inconspicuous white area below gold beard. (Fall Primrose x Ola Kala) X Happy Birthday.
- *AUTUMN CHAMELEON (R. G. Smith, TB re, R. 1965). R. Smith 1967.
- AUTUMN ELEGANCE (Raymond G. Smith, R. 1967). Sdlg. D79ER. TB re, 29", M & re, Y2V. S. light tan effect (Nickerson 7.5Y 9/8); F. base color same, brushed lavender (Nickerson 2/5P 7/7). (Sass F-53-1 x Lugano) X (Hall pink sdlg. x Gibson Girl).

- AUTUMN NIGHT (Raymond G. Smith, R. 1967). Sdlg. D66AR. TB re, 32", M & re, V1D. Dark purple (Nickerson 2.5P 3/8) self. Black Duet X (Blue Surprise x Autumn Flame).
- AZURE APOGEE (Dr. J. R. Durrance by Everett Long, Selector). Sdlg. D63-3. TB, 35", ML, B1P. Light blue self; deep blue beard. D59-75 X Lynn Reid. HC 1967. President's Cup 1967. Long 1967.
- *AZURE DOME (P. Cook by E. Cook, TB, R. 1966). Cook 1967.
- AZURE SNOW (Gladys Saxton, R. 1967). Sdlg. 64D. TB, 48", M, W1B. Blue-white self. Blue Sapphire X Blue Valley.
- *BABY SHOWER (Joseph Ghio, BB, R. 1966). Old Brook and Bay View 1967.
- *BACCARAT (Larry Gaulter, TB, R. 1966). Cooley 1967.
- BALKAN GLACIER (Ben R. Hager, R. 1967). Sdlg. B1975A. TB, 36", M, W3cm. S. ice white; F. ice blue with deeper spot in center. Harbinger X B1830A ((Chivalry x (Sharkskin x I. balkana)) x Blue Silhouette.
- BAMBOO CURTAIN (Rex P. Brown, R. 1967). Sdlg. 63-79-3. TB, 36", M, Y1L. Smooth straw yellow with golden brown at hafts; touch of lighter yellow below bronze beard. Mexican Velvet X Lovilia.
- *BANDED BRONZE (Rex Brown, TB, R. 1966). Brown's Iris Garden 1967.
- BARCELONA (Opal L. Brown, R. 1967). Sdlg. 4-11K 16. TB, 36", M, OYD4V. S. yellow ochre (07/3), violet infusion in mid-ribs; F. pansy purple (928/3); tangerine beard. Pipes of Pan X ruby red sdlg. 8-21B5. HC 1966. Brown's Sunnyhill Gardens 1967.
- BAY SHORE (David Lorenz, R. 1967). Sdlg. 65-11-A. TB, 34-36", M, W4VB. S. white with blue tinge near midribs; F. navy blue; ruffled; white beard. Stepping Out X Emma Cook.
- *BAY VIEW (Joseph Ghio, TB, R. 1966). Bay View 1967.
- *BECKY (Margaret Beck, TB, R. 1966). Misty Hills 1967.
- BEHOLD (George A. Shoop, R. 1967). Sdlg. 62-19. TB, 36", EM, B4V. S. pale blue; F. velvet grape-purple; red beard. From involved 57-11 series tangerine-bearded blues x Whole Cloth x red-bearded amoena lines. Shoop 1967.
- *BELISE (Dr. Marc Simonet, Spuria, R. 1964). Melrose 1967.
- *BEST REGARDS (Eva Smith, TB, R. 1966). Smith 1967.
- BETHLEHEM SONG (Doris Foster, R. 1967). Sdlg. 66-36-6. Aril-bred, 35", EM, W4Ycm. S. white, ruffled; F. yellow, styles deeper yellow, mahogany-brown signal; gold beard. Bethlehem Star X unknown. HC 1967.
- BETWIXT AND BETWAIN (Frank A. Williams, R. 1967). BB, 26", M, Y2RO. S. yellow with close cinnamon markings; F. white center, yellow edge with cinnamon markings. Tiffany X Royal Scot.
- *BEWITCHED (James S. Tucker, TB, R. 1966). Southern Meadows 1967.
- BIT O'AFTON (Dorothy E. Guild, R. 1967). Sdlg. 63W1. MTB, 28",

- EM-VL, W4Vcm. S. white; F. violet with wire edging of white (Mineral violet 635/1 shaded to 635 in center of F.); wide golden yellow beard. Warbler selfed.
- BLANCHE MAC (Dr. C. M. Stults, R. 1967). TB, 39", M, W1W. S. very clear white; F. same with few pale yellow lines in throat. White Peacock X (Sleighride x Spanish Peaks).
- BLAZING FURY (Eva Smith, R. 1967). Sdlg. 64-745. TB, 36", LM, 05D. S. coffee brown; F. brown with red flush; orange beard, gold blaze. Bro. Charles sdlg. x (Watermelon x Cliffdel sdlg.) X ((My Darling x Twenty Grand) x (Watermelon x Cliffdel sdlg.))
- *BLUEBEARD'S CASTLE (Gordon Plough, TB, R. 1966). Eden Road 1967.
- *BLUE BERET (Earl Roberts, MDB, R. 1966). Roberts 1967.
- *BLUE CANARY (Mrs. J. R. Hamblen, SDB, R. 1966). Mission Bell 1967.
- *BLUE CAPERS (Alta Brown, MDB, R. 1966). Brown's Iris Gardens 1967.
- BLUE CHALICE (Melvin A. Leavitt, R. 1967). Sdlg. Ex 1. TB, 36", M-L, B1D. Dark blue self. Bristol Gem X Allegiance.
- BLUE DRIFT (L. W. Brummitt, R. 1967). Sdlg. 1883/1. TB, 39", L, B1F. Mid-blue self with brown hafts. Starched Fabric X Primrose Drift.
- BLUE LEMON (Harry B. Kuesel, R. 1967). Sdlg. 67-L-1b. SDB, 13", EE, Y1F. Smooth lemon yellow self with sky blue beard. Green Meteor X Blueberry Muffins.
- *BLUE MOSS (Bennett Jones, SDB, R. 1966). Jones 1967.
- BLUE SECRET (Alta M. Brown, R. 1967). Sdlg. 63-68-28. SDB, 13", E, B1Pcm. S. light blue (Wilson French blue 43/3); F. same with lobelia blue spot around pale blue beard; small white line below beard separates spot. Lovilia X unknown pumila (probably Blue Capers).
- BLUE SPACE (Albert J. Motsch, R. 1967). SDB, 10", E-M, B1Fcm. Medium blue self including beard; large green-gold area around beard. Green Meteor X ((Blue Shimmer x Sulina) x Green Spot)).
- BLYTH'S WHITE SPRITE (C. J. Blyth, R. 1967). MTB, 18", EM, W1W. Pure white self. Dwarf Lemon Flare X self.
- BO-BO (Frank A. Williams, R. 1967). Sdlg. K100. BB, 24", M, Y4R. S. amber yellow, domed; F. dark ruby red, flared and wavy. (Staten Island x Mary Vernon) X unknown variegata sdlg.
- *BOLDER (Stults, TB, R. 1965). Koloriot 1967.
- *BOLD HEIRESS (R. Reinhardt, TB, R. 1965). Reinhardt 1967.
- *BONE CHINA (Tell Muhlestein, BB, R. 1966). Tell 1967.
- BONNIE D (H. E. Briscoe, R. 1967). SDB, 12", E, Y1P. S. pale gold; ruffled; F. pale gold, darker around orange beard; fragrant. Doriot 4-62 X Dunbar 65-3 (May Magic x Orchid Sheen).
- BORDER GIRL (Tom Craig, R. 1967). Sdlg. P66-102. BB, 22", M, Y01P. Buff-pink self, laced. (Pink Formal x laced pink sdlg. from Hall line and Peach Parfait) X Summerose. Craig 1967.

- BORN RICH (William T. Bledsoe, R. 1967). Sdlg. 66-8. TB, 38", E-M, Y1F. Medium dark orange-yellow self. Yellow sdlg. (unknown parentage) X (Phoebus Apollo x Techny Chimes).
- *BOTANY BAY (Bennett Jones, BB, R. 1966). Jones 1967.
- BRENDA LEE (Harry W. Riggs, R. 1967). Sdlg. HXX. TB, 32", M, W20. S. brown with touch of yellow in center; F. white blending to yellow; stippled maroon; yellow beard. Unknown parentage.
- BREWING STORM (Margaret Beck, R. 1967). Sdlg. 6222. TB, 38", M-L, RV1D. Very dark red-purple self. (Storm Warning x Sable Night) X (Black Taffeta x Sable Night).
- *BRIDE'S PEARLS (Alta Brown, BB, R. 1966). Brown's Iris Gardens 1967.
- *BRIGHT BABY (Alta Brown, SDB, R. 1966). Brown's Iris Gardens 1967.
- *BRIGHT BUTTERFLY (Bennett Jones, TB, R. 1966). Jones 1967.
- *BRIGHT IMAGE (Margaret Beck, TB, R. 1966). Misty Hills 1967.
- BRILLIANT DISPLAY (Mrs. Robert L. Dunn, R. 1967). Sdlg. M62-23. TB, 38", M, W1Ycm. Warm white self with buttercup yellow midrib, haft and beard and on reverse side of petals. 60-10 (New Snow x Claramino) X Glittering Amber.
- *BROADMERE (Vallette, TB, R. 1963). Vallette 1967.
- BROLGA (C. J. Blyth, R. 1967). TB, 34-36", M, W1R. S. creamy white with salmon red base; F. creamy white with salmon red hafts; red beard. Nike X Honeyrock.
- BRONCO (Frank A. Williams, R. 1967). Sdlg. E9. SDB, 12", Y1Fcm. S. golden yellow; F. same with large brown blaze. Treva X Welch yellow pumila H402.
- BUBALA (Joseph A. Gatty, R. 1967). Sdlg. M-611. MDB, 6", VE, W1B. S. white-white; F. same with indigo-blue hafts; white beard. M-582 (Azure Skies selfed x Cook's #1546) X M-583 (sib to M-582). HC 1966. Joseph Gatty 1967.
- BURNING COALS (Ben R. Hager, R. 1967). Sdlg. T1735A. TB, 35", M, R3FD. S. medium henna red; F. red-black. (Ali Baba x Glowing Amber) X (Red Shadows x Huntsman).
- BURNISHED ROSE (Hilda Fail, R. 1967). Sdlg. K-2. TB, 34", M, R1F. Between chrysanthemum crimson and Indian lake (Wilson 824/3 and 826/3) self; red beard. (Cream and Tangerine x Sweet Refrain) X (Valimar x Melbreak). HC 1966. Hilda 1967.
- *BUTTERFLY BABY (Mrs. Jesse Herd, BB, R. 1966). Fleur de Lis and Herd 1967.
- BUTTERSCOTCH PLUM (Edward N. Christensen, R. 1967). Sdlg. 4A1-1. TB, 32", M, OY5F. Odd blending of butterscotch and plum with gilt edges; yellow-orange beard. ((Alexia sdlg. x Annette) x Crinkled Beauty)) X (((Fortune's Gift x (Pink Cameo x Inca Chief)) x Glittering Amber))).
- *BUTTERSCOTCH RIPPLE (Hagberg, TB, R. 1964). Tell 1967.
- CABARET (David Lorenz, R. 1967). Sdlg. 65-100. TB, 34", M-L, V1D. Royal purple self; ruffled and flared; self beard. Eleanor's Pride X Fleet Admiral.

- CALIENTE (Walt Luihn, R. 1967). Sdlg. 64-9. TB, 38", ML, R1. Wine red self; bright gold beard. ((Tompkins 54-173 x Bang) x (Oriental Glory x Huntsman)) X Forward March. HC 1966.
- *CANARY CADENCE (Ferris Gaskill, TB, R. 1966). Greenbrier 1967.
- CANARY CAPRICE (Eleanor McCown, R. 1967). Sdlg. 67-11. Spuria, 40", E, W4Ycm. S. creamy white; F. deep yellow with narrow white border. Lark Song X unknown. Van Dusen 1967.
- CANDY COUNTER (Chet W. Tompkins, R. 1967). TB, 38", M-VL, O1P. Wintergreen pink self; creamy pink undertone; amber edge; red beard. (Herald Angel X Tantallon) X (Herald Angel x Apple Valley). Fleur de Lis 1967.
- *CAPE TOWN (Larry Gaulter, TB, R. 1966). Cooley 1967.
- CARILLON FESTIVAL (Opal L. Brown, R. 1967). Sdlg. 4-13C1. TB, 32", M, Y4W. S. near barium yellow (Wilson 503/2); F. warm white, shoulders brushed color of S; bright yellow beard; carnation fragrance. 2-25A11 ((Golden Valley x Gosper) x Poet's Dream) x Phoebus Apollo X Winter Olympics.
- CARLETON MacLEAN (Carleton MacLean, deceased, by Mrs. MacLean, R. 1967). Sdlg. M63-I46. TB, 42", EM, W1W. Pure white self, ruffled; yellow beard tipped white. Lady Boscawen X Snow Carnival.
- CARMEL VALLEY (David Lorenz, R. 1967). Sdlg. 65-54-A. TB, 34", M-L, V1Lcm. Smooth blend of pink and lavender, golden orange hafts blending into F; tangerine beard. Claudia Rene X Chinese Coral.
- CAROLINA DELIGHT (Loleta K. Powell, R. 1967). Sdlg. 66-9. TB, 35", M, VR1P. Mauve pink self. Rose Hermosa X Judy Marsonette.
- CAROLINA HOPE (Loleta K. Powell, R. 1967). Sdlg. 66-1. TB, 32", E-L, W4V. S. white; F. pinkish lavender with deeper lilac streak down center. Whole Cloth X (Ingenue x pink bitone sdlg.)
- CAROLINA POLKA (Loleta K. Powell, R. 1967). Sdlg. 66-38. TB, 36", M-L, W2VL. White ground plicata edged lavender-blue. Blooming Love X Bon Voyage.
- CAROLINA TOPHAT (Loleta K. Powell, R. 1967). TB, 34", M-L, BV1DD. Blue-black self. Tar Heel X Licorice Stick. Powell 1967.
- *CARTWHEEL (Alta Brown, SDB, R. 1966). Brown's Iris Gardens 1967.
- *CASCADE CHINA (Gordon Plough, TB, R. 1966). Eden Road 1967.
- CASINO ROYALE (David Lorenz, R. 1967). Sdlg. 65-32-A. TB, 36", E-M, V5P. Blend of lavender and amethyst violet; self beard; ruffled. Amethyst Flame X Whole Cloth.
- CATALDO (Jeannette W. Nelson, R. 1967). Sdlg. 62-28-1. TB, 36", EM, Y01L. Apricot (Wilson 609/1) self; S. flushed pink, closed, ruffled; F. flaring and fluted; red-tangerine beard. Tantallon X Diamond Cup.
- CELESTIAL DAWN (Eugene Buckles, R. 1967). Sdlg. 66-5. TB, 34", M, O1L. Apricot-orange self. Celestial Glory X Dawn Crest.
- *CELESTIE (Mrs. Herman Theurer, TB, R. 1966). Eden Road 1967.
- *CELIA KAY (Beatrice Warburton, IB, R. 1966). Old Brook and Warburton 1967.
- *CENTENNIAL (Lena Freudenburg, TB, R. 1966). Freudenburg 1967.

- CENTENNIAL GOLD (O. A. Kummer, R. 1967). Sdlg. YS OE 1. TB, 36", M, Y1F. S. pure gold, domed and ruffled; F. gold to deep gold; deep gold beard. Gold Sovereign x pink sdlg.
- CHAMORRA (Rev. Charles C. Jack, R. 1967). Sdlg. 64-72-A. TB, 34", M-L, V1L. Raspberry-pink self; tangerine beard. Hamblen pink sdlg. X Pink Lure.
- CHAMPAGNE PUNCH (Charles P. Gordon, R. 1965). Sdlg. G-65-8. TB, 34", M, Y1. Yellow self. G-61-30 (Elmohr x Starshine) X Above All. HC 1965.
- CHAPARRAL (Rev. Charles C. Jack, R. 1967). Sdlg. 65-1. TB, 36", M, Y5L. S. medium yellow; F. same with bronze-ruby markings extending over F. Glittering Sands X Pretty Pink.
- *CHARLOTTE SAWYER (Rosa Belle Van Valkenburgh, TB, R. 1966). Van Valkenburgh 1967.
- *CHARMAINE (Mrs. J. R. Hamblen, TB, R. 1966). Mission Bell 1967.
- *CHARM OF EDEN (Gordon Plough, TB, R. 1966). Eden Road 1967.
- CHEROKEE BRAVE (Tom Munger, Jr., R. 1967). Sdlg. 66-4H. TB, 34", ML, Y4V. S. amber yellow; F. violet. (Memories x Whole Cloth) X Gypsy Lullaby.
- CHEROKEE PRINCESS (Tom Munger, Jr., R. 1967). Sdlg. 66-1A. TB, 32", M, B4RV. S. blue; F. rosy violet; ruffled. Melodrama X (Black Taffeta x Dutch Doll).
- CHERRY BLOSSOM TIME (Walter Marx, R. 1967). Sdlg. 57-6. Marhigo, 38", EM, V3LP. S. lavender; F. orchid-pink. Unknown X Hoyden.
- *CHERRY GARDEN (Bennett Jones, SDB, R. 1966). Jones 1967.
- CHIEF MOSES (Gordon W. Plough, R. 1967). Sdlg. 62-60-10. TB, 38", EML, YO3D. S. rosy plum-brown; F. golden brown with lavender tones which lighten and get more golden as flower ages; orange beard. Sib to Kachina Doll X Serene Serenade (sib to Punchline).
- CHIM CHIM CHEREE (Clarence J. Blocher, R. 1967). Sdlg. 150. TB, 30", ML, B1F. Medium blue self. (Galilee x Allegiance) X Ellen Manor. Blocher 1967.
- CHORDETTE (Schreiner's, R. 1967). Sdlg. W858-A. TB, 35", EM, RV1F. Rich even shade of cerise-purple (RHS violet-purple 7/33/3). R 113-B (Amethyst Flame x Alpenrose) X Gaulter 58-15. Schreiner's 1967.
- CHOSEN BEAUTY (Mrs. F. Allen Brown, R. 1967). Sdlg. 61-88-2. TB, 36", M-L, W4V. S. white; F. pink-orchid, ruffled and fluted; faint chartreuse glow on hafts; same color beard, tipped white. Henry Shaw X (Lovely Diana x Lovely Diana). HC 1966. Landsend Gardens 1967.
- CHRISTMAS DAY (Charles Wm. Voris, R. 1967). Sdlg. FFWh67-5. TB, 34", M, W1R. S. white; F. white with red beard, 2-3 ruffles at edges. Whirlaway X Frost and Flame.
- CHRISTMAS MORN (Charles Wm. Voris, R. 1967). Sdlg. FFWh67-9. TB, 32-34", M-L, W1R. White self; red beard. Whirlaway X Frost and Flame.
- *CINNAMON MIST (Gordon Plough, TB, R. 1966). Eden Road 1967.

- CITRUS MIST (Gordon W. Plough, R. 1967). Sdlg. 62-31-33. TB, 30", EML, Y3Pcm. S. primrose yellow (Wilson 601/1) with greenish midrib; F. considerably lighter (601/2) with large blended center area; hafts clean and deeper color (dresden yellow 64/1); beard primrose (601/1), lightening to white at tip. Lemon Bowl X Buttercup Bower (sib to Kiss of Lemon).
- CLARA SIMON (William D. Simon, R. 1967). TB, 30-32", M, W1Y. White self; amber at hafts; coral beard. Waxing Moon X Glittering Amber.
- *CLARION ISLAND (A. and C. Blocher, TB, R. 1964). Blocher 1964.
- CLOUD CREST (Bennett C. Jones, R. 1967). Sdlg. 748-1. TB, 34", M, W1C. S. white infused blue-orchid; F. white, laced; red beard. 430-1 (Tell's 49-11C x Party Dress) x ((Spindrift x Jeb Stuart) x Courtier)) X Crystal Flame. HC 1966.
- *CLOUD DUET (R. G. Smith, TB re, R. 1965). R. G. Smith 1967.
- CLOUD RUFFLES (Edward N. Christensen, R. 1967). Sdlg. 4D1-4. TB, 32", M, W1Ccm. Cool white self with bluer edging, ruffled and flaring; intense orange beard. Glittering Amber X self.
- COASTAL WATERS (Gordon W. Plough, R. 1967). Sdlg. 61-99-2. TB, 34", EML, B1P. S. flax blue (Wilson 642/2); F. same, deepening to 642/1 at lower edges; lighter area by white beard, which is orange deeper in the throat. Crystal River X (Kiss of Fire x Regina Maria).
- COCKEREL (Tim Craig, R. 1967). Sdlg. 75-67. Arilbred, 30", E, V5D. Blend of oriental fuchsia, magenta and rose-violet. Adam X Kalifa Gulnare. Craig 1967.
- COCOA CREAM (Leo Clark by D. Lorenz, R. 1967). Sdlg. 62-C4-#4. Arilbred, EM, 24", Y3PFcm. S. cream, red-brown veining; F. golden yellow, same veining; dark red-brown signals; gold styles; cinnamon beard. I. susiana X Wilkes' (Jallah Effendi x Kalifa Baltis. Sierra View Gardens 1967.
- *COLORADO MELODY (F. J. Foster, TB, R. 1965). Mesa 1967.
- COLORADO SKIES (Dr. J. R. Durrance by E. Long, Selector, R. 1967). Sdlg. D60-32. TB, 38", EM, B1L. Medium blue self. Symphony X Sierra Skies. Long 1967.
- COMEDIENNE (Walter Marx, R. 1967). Sdlg. 60-15. Japanese, 48", L, V1P. Lilac self, quite double and almost peony type. 57-4 X (58-1 x PT. 15).
- COMING UP (Richard S. Rosenfels, R. 1967). Sdlg. 5715-12. IB, 24-27", L, W1Bcm. White with blue spot or blue veins at end of light yellow beard. Snosheen X Green Spot.
- *CONFECTION (Babson, TB, R. 1964). Melrose 1967.
- CONSTANCE WEST (A. C. Howe, R. 1967). Sdlg. 5/34A. TB, 37", E-M, RV5D. Iridescent aubergine blend infused petunia on F; small violet spot at tip of yellow beard. Sdlg. 60/6 ((Jane Phillips x Whole Cloth) x Ebony Echo)) X Gracie Pfost.
- CONSTANCY (Odell Julander, R. 1967). Sdlg. J-64-11. TB, 36", E-L, V1L. Clear lavender (wisteria) self, ruffled and flaring. Gay Adventure X Rippling Waters. HC 1966. Tell 1967.
- COOKIES (Beatrice A. Warburton, R. 1967). Sdlg. 27JK-1. SDB, 12", M, Y1Dcm. Yellow-tan self with brown-purple patch on F;

- crisp finish. Olympic Torch X Welch H-503.
- COOL (Mrs. Luella Noyd, R. 1967). Sdlg. N65-98-5. IB, 21", E-M, Y3PFcm. S. pale greenish yellow, serrated edges and styles; F. greenish yellow, white at lower edge; yellow beard with white crest. (Phoebus Apollo x Rainbow Gold) X Green Spot.
- COOL PERFECTION (Richard S. Rosenfels, R. 1967). Sdlg. 578-12. IB, 20-22", M, Y1L. Pale lemon yellow self to light yellow with full yellow beard. Hi Time X Green Spot. Old Brook 1967.
- COOL RIVER (Chet W. Tompkins, R. 1967). TB, 36", M-L, W4B. S. white; F. powder blue; large, broad-petaled flower; oncolike form. Trudy X Melodrama. Fleur de Lis 1967.
- *COPPERETTE (W. B. Schortman, SDB, R. 1966). Schortman 1967.
- COPPER GIRL (Margaret Beck, R. 1967). Sdlg. 6301. TB, 38", M-L, O5D. S. light coppery tan; F. copper-tan, haft marked yellow; orange beard. Copper Medallion X (Thotmes III x Inca Chief).
- COPPER VALLEY (Harry Hite, R. 1967). Sdlg. H-45. TB, 34", ML, O5D. Bright copper self including beard. Bryce Canyon X Rocket.
- CORAL ICE (Gordon W. Plough, R. 1967). Sdlg. 62-178-34. TB, 33", ML, R1P. S. light tint of carmine rose and more delicate than Wilson 621/3; F. same with lighter area in center; beard azalea pink (618/2). (Inv. Pink Fulfillment, Party Dress, Party Favor) X (Inv. Cloud Dancer sib, Pink Cameo, Pink Formal, Truly Fair, Fleeta).
- CORAL KISSED (Mrs. F. Allen Brown, R. 1967). Sdlg. 62-05-A. TB, 36", E-L, Y01L. Deep coral with slight suggestion of blush pink; ruffled and flaring. Enchantress X (May Hall x Fleeta x Sorority Girl). HC 1966. Landsend Gardens 1967.
- *CORNING (Leo Clark, Oncocyclus, R. 1966). Sierra View 1967.
- *COTTON CLOUD (William T. Bledsoe, TB, R. 1966). Bledsoe 1967.
- COTTONTAIL (Richard S. Rosenfels, R. 1967). Sdlg. 6213-5. SDB, 10", M, Y1F. Yellow self with tufted white beard. Sunlit Charm X Brassie.
- COUNTRY POET (Les Peterson, R. 1967). Sdlg. LP 66-300. TB, 40", ML, Y4OR. S. deep yellow, very heavily suffused color of F; F. smooth chestnut brown-red; styles and beard yellow. LP 63-55 (involved line of red and yellow sdls.) X (Crescendo x Young Brave). HC 1967.
- CREDIT CARD (Dr. Frederick J. Knocke, R. 1967). Sdlg. K-59. TB, 42", M, Y5L. S. tan blend with lavender; F. same. Bright Forecast X Rainbow Gold. Tell and Young 1967.
- CREOLE BABY (Grace F. Guenther, R. 1967). Sdlg. H-8-1. SDB, 14½", M, OR1Dcm. S. garnet brown (Wilson 918/2); F. same with yellow rays from yellow beard. E-31-5 (F₂ of Snow Flurry x 1546) X Lilli-Richtone.
- CRINKLED JOY (Schreiner's, R. 1967). Sdlg. T 431-5. TB, 35", ML, RV1P. Uniform light lilac self (RHS light phlox-purple 32/3); all-over lace. Orchid Jewel X Crinkled Beauty. Schreiner's 1967.
- CRIPPLE CREEK GOLD (Frank J. Foster, Jr., R. 1967). Sdlg. A-37-

66. TB, 32", M-L, Y3D. S. intense buttercup yellow, lighter at edges; deeper buttercup yellow hafts, blending to golden yellow striations over buttercup yellow F; ruffled; deep golden-orange beard. (Ola Kala x Gold Piece) X (Fay 50-58 x sib to Aspenglow).
- *CROWNING TOUCH (Rex Brown, TB, R. 1966). Brown's Iris Garden 1967.
- *CRYSTAL BLAZE (N. Rudolph, TB, R. 1964). Moldovan 1967.
- CRYSTAL CANYON (James R. Allen, R. 1967). Sdlg. D23C. TB, 40", E-M, W1C. S. white; F. white with pale blue iridescence in center; medium yellow hafts; extremely strong but pleasant fragrance. Dreamy X Mary McClellan.
- CRYSTAL FLAME (Bennett C. Jones, R. 1967). Sdlg. 604-1. TB, 36", M, W1. White self with bright red beard. 494 (involving Tell's 49-11C, Cloudcap, Hall sdlg.) X Shoop 57-11 (tangerine bearded blue). Jones 1967.
- *CUMULUS ASCENDANT (H. Senior Fothergill, TB, R. 1966). Orpington Nurseries 1967.
- CURLEW (J. D. Taylor, R. 1967). Sdlg. H.38/6. IB, 19", M, Y1Fcm. Mid-yellow self with white streak vertically. ((Langdale x Pogo) x tall sdlg.) X Atomic Blue. Wisley Trial 1966.
- CURLY McQ (Chet W. Tompkins, R. 1967). TB, 39", M-L, VB1. Brilliant wisteria-blue self; self beard. Sib to Fleet Admiral. Fleur de Lis 1967.
- CURTAIN CALL (Schreiner's, R. 1967). Sdlg. V 653-1. TB, 34", EM, W2V. Plicata with S. and F. sparingly marked clear, fairy-like pink-lavender; lemon yellow beard. R 224-C: L 710-A ((A 108 x Firedance) x (Rodeo x Frolic) x Butterhorn)) X Memphis Lass. Schreiner's 1967.
- CURTAIN RAISER (A. C. Howe, R. 1967). Sdlg. 5/93. TB, 38", E-M, V1F. S. Moorish violet; F. same; vivid orange beard. Silvertone X Catalina. SC, BIS 1967.
- CYCLONE (Eva Smith, R. 1967). Sdlg. 64-770. TB, 34-36", LM, OY4RVcm. S. golden tan, red flush; F. bright wine, bordered gold; orange beard. (Watermelon x Cliffdel sdlg.) X Lolo Trail.
- DAFFODIL PARADE (D. W. McLain, R. 1967). Sdlg. 58041. TB, 34", M, Y1F. Medium yellow self; white blaze; orange-yellow beard. Limelight X Melody Lane.
- *DAINTY DAMSEL (Alta Brown, MTB, R. 1966). Brown's Iris Garden 1967.
- DAINTY DOVE (Alta M. Brown, R. 1967). Sdlg. M 1074B-3. MTB, 18", M, W1B. White self, lightly veined blue and fades to white; bronze beard. Dainty Dancer X Blue Mouse.
- *DAINTY ROYAL (Joseph Gatty, SDB, R. 1963). Gatty 1967.
- DANCE BAND (David Lorenz, R. 1967). Sdlg. 65-31. TB, 36", M, W2B. Medium blue plicata, wide, ruffled and flaring. Ribbon Round X Stepping Out.
- DANCING SUNBEAM (Dorothy S. Palmer, R. 1967). Sdlg. 8465A. TB, 36", M, Y4Wcm. S. light yellow-cream, ruffled; F. white with

- wide band of light yellow, ruffled; gold at haft; gold beard. 4455B (((Chantilly x (Pink Cameo x Hall pink sdlg.)) x Song of Songs))) X 8563B (((Golden Majesty x Ola Kala) x Ranger x Bryce Canyon)) x Cherito))). HC 1967.
- DANI GRACE (Alean B. Kemp, R. 1967). Sdlg. K-672. MTB, 23", M, W2B. White ground plicata heavily stitched and dotted blue; light yellow beard tipped white. Midwest Gem sdlg. X Widget.
- *DARK CLOUD (Vallette, TB, R. 1959). Vallette 1967.
- *DARK EYES (R. A. Rich, Arilbred, R. 1966). Melrose 1967.
- *DARK PLANET (Reuben Smith, TB, R. 1966). Kool Acres 1967.
- DARK RIVER (Thelma D. Carrington, R. 1967). Sdlg. 66-D. TB, 30", M-L, V1DD. Blue-black self with velvety falls; navy beard. Dark Fury X Tar River.
- DARK SEA (Walter Marx, R. 1967). Sdlg. 174-1. Japanese, 44", M-L, B1D. S. dark blue; F. deep blue; deep blue styles and suggestion of deeper veining. (110-7 x 105-2) X (110-5 x Hisakata).
- DARK SPARK (David B. Sindt, R. 1967). Sdlg. D700. SDB, 11", E, V3FDcm. S. bright full violet; F. blackish violet with bright full violet edge; violet beard. Black Forest X Sulina.
- *DARK SPICE (Gordon Plough, TB, R. 1966). Eden Road 1967.
- *DARK TOPIC (Alta Brown, BB, R. 1966). Brown's Iris Gardens 1967.
- DAUPHIN GIANT (Dr. A. J. Casselman, R. 1967). Sdlg. H8651. TB, 36", M, BV1F. Dauphin violet (Ridgway 39/1) self. Pierre Menard X South Pacific.
- DAWN'S HARBINGER (Richard S. Rosenfels, R. 1967). Sdlg. 5718-3. TB, 33", M, V5F. Smoky, bluish violet blend with smoky yellow beard. Snosheen X Cordovan.
- *DEE JAY (Wolff-Hildenbrandt, BB, R. 1965). Hildenbrandt's 1967.
- *DEIRDRE (Charlotte Gantz, SDB, R. 1966). Old Brook 1967.
- DEL MAR (Thelma D. Carrington, R. 1967). Sdlg. 576-64-A. TB re, 36", M-L, VB1L. Light blue self; white beard tipped yellow. Patricia Craig X Arabi Pasha.
- DELTA KING (Ben R. Hager, R. 1967). Sdlg. L14. Louisiana, 26", M, OR1D. Terra cotta red self. (Upstart x Fire Alarm) X (Upstart x Fire Alarm).
- DENEB (Charles W. Arny, Jr., R. 1967). Sdlg. LP-64. Louisiana, 36", ML, R1Lcm. S. rose-pink (Wilson 0621/1) with large yellow color patch at base; F. rose-pink with large yellow crests. Katherine L. Cornay X Katherine L. Cornay.
- DESERT GEM (John Holden, R. 1967). Sdlg. Ha4a. Oncocyclus hybrid, 15", EM, W2RV. S. gray-white ground, veined and dotted red-purple (rose pink effect); F. same, heavily veined and dotted red-purple; dark brown-purple signal; broad lighter brown beard. Gatesii X Mariae.
- DESIGN DANDY (Tom Craig, R. 1967). Sdlg. 66-B7-4. TB, 36", M, Y4RV. S. chamois; F. red-violet. Bacchus X Melodrama. Craig 1967.

- DESSIA (James R. Allen, R. 1967). Sdlg. D1E. TB, 42", E-M, V1L. Medium lavender self. Cascadian X Mary McClellan.
- *DEWFUL (McGarvey, Siberian, R. 1965). Old Brook 1967.
- DIAMOND DUST (Mrs. F. Allen Brown, R. 1967). Sdlg. 61-131-10. BB, 27", M, Y1F. Bright dresden yellow self; ruffled, fluted falls; deeper color beard. Fleeta X (Queen's Lace x Pink Ripples). HC 1966. Landsend Gardens 1967.
- DIGNITARY (Joseph J. Ghio, R. 1967). Sdlg. 64-226N. TB, 36", L, B1P. S. pale blue; F. blue-white; self beard. High Above X ((Cliffs of Dover x (Pierre Menard x Spanish Peaks) x Frosted Starlight)).
- DISTANT DRUMS (Chet W. Tompkins, R. 1967). TB, 38", M-VL, V1DD. Black self with violet undertone; heavily ruffled and flaring. (Mountain Music x Black Swan) X (Mountain Music x Dark Fury). Fleur de Lis 1967.
- DOLL APRON (John E. Goett, R. 1967). Sdlg. 1F4. SDB, 11", VE, W2V. S. white-white with lavender markings particularly in center; style arms lavender; F. white-white with light markings, darker haft. 9D3 (Dale Dennis x Knotty Pine) X 4D2 (Knotty Pine x Pat's Pal).
- *DOLL DANCE (Alta Brown, MDB, R. 1966). Brown's Iris Gardens 1967.
- DOLLY DEE (Tom J. Hughes, R. 1967). Sdlg. HG 20. BB, 26", M, W2V. S. white edged with violet; F. same. Rococo X Azurite.
- DONNA JUNE (Mrs. Thelma Howard, R. 1967). Sdlg. 100. TB, 36", M, V3PL. S. pinkish lavender; F. deeper; tangerine beard. Marsala X Cathedral Bells.
- *DON RICHARDO (Rosenzweig, Oncobred, R. 1964). Tell 1967.
- DORIS GAY (Caroline DeForest, R. 1967). Sdlg. 66-56. TB, 36", M, W1R. White self; red beard. (Pink sdlg. x Merry Heart) X Sacred Mountain.
- *DOVE IN FLIGHT (W. B. Schortman, TB, R. 1966). Schortman 1967.
- *DOVE SONG (L. E. Flanagan, Arilbred, R. 1965). Tell 1967.
- DOVE WINGS (Earl R. Roberts, R. 1967). Sdlg. 65R21. SDB, 13", E, Y05Pcm. S. alabaster overlaid creamy-pink; F. dove toned spot overlaid pink amber, edged like S. (TB orchid sdlg. x Barium Gold) X Zickler "Pink Maker" ((Twilight Sky x white pumila) x (Desert Song x white pumila)). HC 1967.
- DRAKE'S CHANNEL (Dr. Frederick J. Knocke, R. 1967). Sdlg. K 34. TB, 40", M, B1F. Mid-blue self, ruffled. Cross Country X K1 (Harbor Blue x Regina Maria). Tell and Young 1967.
- *DREAM TIME (Schreiner's, TB, R. 1966). Schreiner's 1967.
- #DRIFTING SANDS (Z. G. Benson, TB, R. 1965). Name transferred to sdlg. S14-1.
- DRIFTING SANDS (Z. G. Benson, R. 1967). Sdlg. S14-1. TB, 32", M, GY1L. Light sandy chartreuse self. Light brown sdlg. X Wayward Wind.
- *DUSKY DANCER (Walt F. Luihn, TB, R. 1966). Tell and Mission Bell 1967.
- *ED WATKINS (E. & A. Watkins, TB, R. 1966). Fairmount 1967.

- EGYPTIAN PRINCE (Cora May Pickard, R. 1967). Sdlg. C-466. TB, 35", ML, VB1D. Large purple-blue self. ((Grape Arbor x (Sable Night x Black Hills)) X (Blue Bermuda x Allegiance)).
- ELEANOR'S CHOICE (A. H. Hazzard, R. 1967). Sdlg. 494. Jap double, 36", E, R1DDcm. No standards; F. very dark red with white veins and rays emanating from bright yellow signals; style arms white with dark red tips and cockade. Catherine Parry X Fascination. Hazzard 1967.
- ELEGANT CHARM (Rex P. Brown, R. 1967). Sdlg. 63-143-3. TB, 34", EM, V1L. Medium amethyst-violet (Wilson 35/2) self with bushy lavender-blue beard (640/1). 59-18-9 (June Magic x Party Lace) X 60-40-12 (sib of Blue Olympics).
- *ELFIN GOLDTONE (Earl Roberts, IB, R. 1966). Roberts 1967.
- ELINOR JANE FOUST (Charles Wm. Voris, R. 1967). Sdlg. MVC 64-4. TB, 32", M-L, O1P. Orange-peach blend; tangerine beard. Fiftieth State X Marian V. Croft.
- *ELLEN MANOR (Blocher, TB, R. 1962). Blocher 1963.
- ELVA ANSELL (C. J. Blyth, R. 1967). TB, 40", EM, W4B. S. blue white; F. deep blue. Kenimbla X Whole Cloth.
- EMBLEM (N. T. Willbanks, R. 1967). Sdlg. 403-2. Arilbred, 15", E, Y5cm. Strong yellow self with onco marbling of moderate red; large dark red signal. Border Queen X Imam Salah. Willbanks 1967.
- EMERALD HAVEN (Cloyd F. Sensenbach, R. 1967). Sdlg. 5239. Jap, 36", M, W1cm. White self with conspicuous green arrow on F. Derived from several generations of seedlings originating with Gold Bound and Violet Beauty.
- *ENCHANTED SNOW (Ruth Goodrick, TB, R. 1966). Tell 1967.
- *ENCHANTING MELODY (R. A. Rich, Jap, R. 1966). Melrose 1967.
- ENCHANTMENT (A. H. Hazzard, R. 1967). Sdlg. 38. Jap single, 32", VL, BV4L. S. dark violet; F. light blue and violet bi-color, white veining; yellow signal; style arms dark violet, darker edges and tips. Caroline G. Childs X Kumi No Obi. Hazzard 1967.
- *ENIGMA (C. & K. Smith, TB, R. 1960). Smith 1967.
- EOLIAN (Charles W. Army, Jr., R. 1967). Sdlg. BLB-64. Louisiana, 42", M, B1Pcm. Blue (Wilson faience blue 649/3) self with small light yellow crest; ruffled edges. Louise Army X New Offering.
- *ERNIE OF SYRACUSE (Voris, TB, R. 1964). Voris 1967.
- *ESPRESSO (Gerhard A. Carlson, TB, R. 1966). Eden Road 1967.
- ESTHER, THE QUEEN (Eugene A. Hunt, R. 1967). ORB 64-1. Onco-regaliabred, 36", EM, BP4Gcm. S. wisteria blue (640/3), veins of deeper hue, blended willow green at base, brown at claw; F. willow green (000862/3), blended erythrite red dottings by black beard on black-maroon spot paling to brown as it blends to willow green. Sundt's 5631 D (Ardrun x Ib-Mac) X Kalifa Gulnare. HC 1967.
- ETCHED APRICOT (J. M. Gibson, R. 1967). Sdlg. 51-OPF. TB, 30", M, W20. S. apricot; F. white ground, apricot etchings. Henna Stitches X Wild Ginger. Cooley 1967.

- *ETERNAL FLAME (Schreiner's, TB, R. 1966). Schreiner's 1967.
- *ETERNAL LOVE (Hazel Schmelzer, TB, R. 1966). Schmelzer 1967.
- *EVE (Hinkle, TB, R. 1964). Wild 1967.
- *EVENFALL (Caroline De Forest, TB, R. 1966). Irisnoll 1967.
- *EVENING FLIGHT (Reuben Smith, BB, R. 1966). Kool Acres 1967.
- EVENING WATCH (C. J. Blyth, R. 1967). Sdlg. 66-26. TB, 34-36", M, V1P. Lavender self; lavender beard; ruffled. Rathausky "Exquisite" cream sdlg. X (Farmilo lavender sdlg. x Lilac Arbor). Calvert Award 1966.
- EXOTIC PARADE (Tim Craig, R. 1967). Sdlg. 2-3. Arilbred, 30", E, V5. S. gentian blue-violet; F. woodland rose-violet and cedar brown blend. (Ball Gown x Bang) X Wilkes' onco. Craig 1967.
- EXOTIC WINGS (Gordon W. Plough, R. 1967). Sdlg. 62-38-26. TB, 35", EM, Y4RV. S. butterscotch, ruffled and closed; F. nearest to mallow purple (Wilson 630/2), blending to soft rosy brown; orange beard tipped light brown. Melodrama X Sashay. HC 1967.
- *FABIA (Schmelzer, MDB, R. 1963). Schmelzer 1965.
- FABLE (Ben R. Hager, R. 1967). Sdlg. T2038A. TB, 38", EM, 04V. S. pastel plum brown blend; F. pastel blue-orchid with 1/4" edge of brown; tangerine beard. Gypsy Lullaby X Denver Mint.
- FACE COLOR (Tom Craig, R. 1967). Sdlg. P66-101. BB, 22", M, 03PL. S. pink; F. buff-pink. Pink Formal x laced pink sdlg. from Hall line and Peach Parfait X Summerose. Craig 1967.
- FAIRFIELD (Walker Ferguson, R. 1967). Sdlg. 66-9. Spuria, 48", M, VB4Ycm. S. pale lavender-blue; F. yellow with wide bluish border. (Investment x Driftwood) X Windfall. Ferguson 1967.
- FAIRY FASHION (Mrs. J. R. Hamblen, R. 1967). Sdlg. 81-86. BB, 27", M-L, V1Lcm. S. amethyst violet (RHS purple-violet 80B); F. same; poppy-red beard (RHS orange-red 30A). Arctic Flame X Ruby Lips.
- FAIRY GOBLIN (Doris Foster, R. 1967). Sdlg. 65-12-7. Aril-median, 12", EM, YG5cm. S. yellow with lavender-blue infusion; F. chartreuse with red-brown veining; chartreuse styles; gold beard. Brassie X Holiday Cheer.
- *FALL BLUE CONTRAST (G. Percy Brown, TB re, R. 1966). Old Brook and Brown's Everblooming Iris Garden 1967.
- *FALL GAYLITE (G. Percy Brown, BB re, R. 1966). Brown's Everblooming Iris Gardens 1967.
- *FALL MAJESTY (R. G. Smith, TB re, R. 1965). Smith 1967.
- *FALL NOVELTY (G. Percy Brown, TB re, R. 1966). Brown's Everblooming Iris Garden 1967.
- *FALL YELLOW SUPREME (G. Percy Brown, TB re, R. 1966). Brown's Everblooming Iris Garden 1967.
- FANTASY LAND (H. W. Neubert, R. 1967). Sdlg. 235-64. TB, 36", L, V3LD. S. light orchid; F. dark purple with chestnut brown hafts, extending down sides to well below tip of beard; narrow border of orchid surrounding edges of F. Broadway Star X Prairie Jewel.

- FATIMA (Albert J. Motsch, R. 1967). Pseudacorus, 25", M, Y1P. Ivory self. From a group of golden-yellow pseudacorus sdls.
- FIESTA BAZAAR (Bion Tolman, R. 1967). Sdlg. 62-48-1. TB, 36", M, W2RV. White ground plicata; S. deep flushed and sanded with burgandy coloring; 1/2" solid burgandy colored band around edge of F. Bazaar X Fiesta Days. Tell 1967.
- FIFTY FIFTY (Cloyd F. Sensenbach, R. 1967). Sdlg. 6416. Jap, 38", E, BW3. Blue and white self, flecked colors divided about evenly. From unnumbered white and blue sdls.
- *FINAL FLING (H. Wright, TB re, R. 1964). Hall 1967.
- *FINAL TOUCH (Terrell, TB, R. 1965). Melrose 1967.
- FINE TOUCH (D. W. McLain, R. 1967). Sdlg. 59121. TB, 38", M, YO4Wcm. S. orange-buff; F. white edged orange-buff; tangerine beard. Francis Kent X ((Pink Tower x Radiation) x Mary Randall)).
- FINISHED SYMPHONY (Walter Marx, R. 1967). Sdlg. 142-2. Jap, 48", M, W2V. Ruffled white with stippled purple border. 63-5 X (Over the Waves x 61-4).
- FIRE BALL (Schreiner's, R. 1967). Sdlg. V 273-2. TB, 37", M, R1D. S. very silky, glossy rich copper-red; F. even slightly deeper shade; definite red progression and extremely flat flare. Gypsy Jewels X Fire Magic. Schreiner's 1967.
- FIREPLACE (Walker Ferguson, R. 1967). Sdlg. 65-16. Spuria, 46", M, V3VR. S. dark purple; F. red-purple with red highlights. 62-4 X Shift to Red. Ferguson 1967.
- FIRETHORN (Melvin A. Leavitt, R. 1967). Sdlg. D x 1. TB, 36", M-L, R1D. Dark red self. Ebony Echo X B x 2.
- FIRST NIGHT (Richard S. Rosenfels, R. 1967). Sdlg. 6220-7. SDB, 10", M, V1DD. Very deep velvety purple or violet self with matching beard. Black Taffeta X pumila sdlg. 5820-1 (Spring Joy x unknown).
- FLAME AND SAND (Gerhard A. Carlson, R. 1967). Sdlg. H 62-17A. TB, 38", ML, 05F. S. beige-buff with faint rosy glow, arched and closed; F. same but slightly browner, lighter area around red beard; lightly ruffled; some inconspicuous veining in haft. (Constant Comment x Briar Rose) x (Cloudcap x Annette) X (Palomino x Happy Birthday).
- *FLAMINGO DAWN (Les Peterson, TB, R. 1966). Tell 1967.
- *FLAMING STAR (Gordon Plough, TB, R. 1966). Eden Road 1967.
- FLARETTE (Gordon W. Plough, R. 1967). Sdlg. 62-215-6. IB, 19", EM, BV1D. S. closest to Victoria violet (Wilson 738), though darker and bluer; F. same, velvety; beard mustard yellow tipped blue. Aphylla dark violet Van Nes X Allegiance.
- *FLAXFLOWER BLUE (Caroline De Forest, TB, R. 1966). Irisnoll 1967.
- FLEUR ADORE (Mrs. Luella Noyd, R. 1967). Sdlg. N62-36-63-B. TB, 36", M, B1L. Light blue self. Sun Lakes X Galilee.
- FLIGHT OF ANGELS (Collie S. Terrell, R. 1967). Sdlg. T64-21. TB, 38", EM, W1W. Snow white self. Celestial Swan X Music Maker. HC 1967.
- *FLOATING MOON (Caroline De Forest, TB, R. 1966). Irisnoll 1967.

FLUTED ICE BLUE (W. B. Schortman, R. 1967). Sdlg. 6696. TB, 36", M-L, W1B. Blue-white self; yellow to white beard. 6447 (Celestial Snow x Snow Symphony) X (blue-bearded white sdlg. 1208 x Babson sdlg. M80-14).

*FOND MEMORIES (Hazel Schmelzer, TB, R. 1966). Schmelzer 1967.

*FOND WISH (Eva Smith, TB, R. 1966). Smith 1967.

#FOREVER MORE (Schreiner's by Marx Gardens, selector, TB, R. 1966). Transferred to sdlg. T 106-M.

FOREVER MORE (Schreiner's; selector, Marx Gardens, R. 1967). Sdlg. T 106-M. TB, 36", ML, Y4V. S. cream; F. lavender. Amethyst Flame X Whole Cloth.

FORT ROCK (Mrs. John F. Hardy, R. 1967). I. innominata, 15", W4RVcm. S. white, lightly veined violet; F. red-violet with darker veining, edged white. Collected.

FOX TROT (David Lorenz, R. 1967). Sdlg. 65-33-A. TB, 34", E-M, BV1L. Lavender self; yellow beard tipped white; wide, ruffled and flaring. Amethyst Flame X Whole Cloth.

*FRENCH WINE (Earl Roberts, MDB, R. 1966). Roberts 1967.

FREY (Gertrude Hays, R. 1967). TB, 30", M, YVL4Rcm. S. tan mixed lavender; F. red, veined red-purple, bordered tan; light tangerine beard. Unknown parentage.

FRILLY DILLY (Harry O. Hite, R. 1967). Sdlg. Deg. 129. TB, 32", EM, Y3FL. S. gold and ruffled; F. lemon yellow with flush of white; lemon beard. Pinnacle X Admiration.

*FRISCO DOLL (Reuben Smith, TB, R. 1966). Kool Acres 1967.

FROST (Walker Ferguson, R. 1967). Sdlg. 66-3. Spuria, 40", E, W1cm. White self; small yellow signal; flaring and ruffled. Windfall X Yellow Wings. HC 1967. Ferguson 1967.

FROSTED CREAM (Alta M. Brown, R. 1967). Sdlg. M 735-12. IB, 20", E, Y3P. S. cream; F. lighter cream; cream beard; petals glisten as though frosted; ruffled. Snow Elf X Lovilia.

FUCHSIA GEM (Bennett C. Jones, R. 1967). Sdlg. M131-15. SDB, 11", M, R5F. S. garnet lake (Wilson 828/3); F. ruby red (827). Red Rockette X ((Daybreak x pumila) x (Merry Maker x Carpathia)).

GALA MADRID (Les Peterson, R. 1967). Sdlg. LP 65-10. TB, 30", ML, Y4Rcm. S. butterscotch gold; F. wine red with half inch brownish red border; small blue flash below deep yellow beard. Main Event X Gypsy Lullaby. HC 1967.

GALA ROSE (Arthur G. Blodgett, R. 1967). Sdlg. 62-57B. TB, 36", M, RV1L. Rose pink (Wilson 031/2) self. Cashmere X Career Girl.

GARDEN GUEST (Gertrude Hays, R. 1967). TB, 36", M, Y1Pcm. S. creamy; F. creamy, veined purple; blue dot which spreads with age; tangerine beard. Unknown parentage.

GARNET GLEAM (David B. Sindt, R. 1967). Sdlg. G100. MDB, 4½", VE, RV1F. Red-violet self, slightly darker falls; near white beard. Spring Joy X unknown.

GATES OF DAWN (Eva L. Soper, R. 1967). Sdlg. 11/65. SDB, 12", E, B3P. S. very pale blue; F. very pale blue-green; bright blue beard. Green Spot X Fairy Frolic.

- GAY BOUQUET (Mrs. J. W. Berndt, R. 1967). Sdlg. 43-44. TB, 34", M, Y1F. Gold self; ruffled and laced. Full Dress X Rainbow Gold.
- GAY PIROUETTE (C. J. Blyth, R. 1967). TB, 36-40", EM, 03P. S. pale salmon pink; F. deeper pink; pink beard. Oriental Pearl X Valimar.
- *GAZOO (Maynard Knopf, TB, R. 1966). Knopf and Tell 1967.
- *GILDED HEIRESS (Charles Wm. Voris, TB, R. 1966). Voris 1967.
- GILDED PALOMINO (Gladys Saxton, R. 1967). Sdlg. 64HI. TB, 46", M, Y1P. Pale yellow self, deeper at haft. Frost and Flame X Limelight.
- GINGERBREAD CASTLE (Chet W. Tompkins, R. 1967). TB, 40", M-VL, 05D. Gingerbread brown self; glossy finish; ruffled. Donnybrook X Brass Accents. Fleur de Lis 1967.
- GIPSY MOTH (L. W. Brummitt, R. 1967). Sdlg. 2095/1. TB, 36", M, W4VBP. S. pure white; F. shaded lavender-blue; fluted and flaring. (Chivalry x Cliffs of Dover) X Whole Cloth.
- GIRL WATCHER (Stanley G. Street, R. 1967). Sdlg. H-62-1. SDB arilbred, 12", E-M, V4Wcm. S. light violet (10PB 7/6); F. white base with light yellow veins; red-purple signal; yellow hafts and beard. Brizendine sdlg. MB 6-57 (I. balkana sdlg.) X B-24 ((Imam Ahmid x Kalifa Gulnare) x Ib-Mac)).
- GLEAM O'SUNSET (Carleton G. MacLean, deceased, by Mrs. MacLean, R. 1967). Sdlg. M59-51. TB, 36", ML, Y3LFcm. S. soft Indian gold, ruffled and lacy; F. deeper Indian gold, overlaid with pale violet and bordered with lacy gold edge; deeper yellow beard. Chantilly X unknown.
- *GLENZULA (Bakke-Messer, BB, R. 1965). Riverdale 1967.
- GLINT O'BRONZE (Dorothy E. Guild, R. 1967). Sdlg. 63-DQ-1. MTB, 26-28", EML, Y3FPcm. S. gold (Wilson chrome yellow 605) with brown tracery on edges; F. wire edging of lemon yellow having brown tracery and creamy white blaze; orange beard tipped yellow. Desert Quail selfed.
- GLORY TRAIL (Schreiner's; selector, Marx Gardens, R. 1967). Sdlg. S857-C. TB, 35", E-M, W2V. S. deep violet; F. white edged purple. M1119-A (Bright Contrast x Harlequin) X Rococo.
- GLOWING COALS (Frank A. Williams, R. 1967). Sdlg. D14. IB, 18", R1D. Dark garnet red self flushed black. (Tiffany x Royal Scot) X J551 (sister sdlg. of Blazon).
- GO GO (J. M. Gibson, R. 1967). Sdlg. 24-2E. BB, 24", M, OY1. Golden tan self. Sdlg. 16-9PL X 137-9PLH.
- GOLDBERRY (R. C. Watkins, R. 1967). Sdlg. BH/55/2. IB, 16", M, Y1cm. S. yellow (RHS 12B); F. yellow (RHS 12A) with brown spot. Starshine X I. pumila Barthii.
- GOLD CLARION (Margaret Beck, R. 1967). Sdlg. 62B4. TB, 36", M, Y1F. S. dark yellow gold; F. gold; fragrant. Fusilier X Allaglow.
- *GOLD DOUBLET (R. G. Smith, TB re., R. 1965). Smith 1967.
- GOLDEN BONANZA (Ben R. Hager, R. 1967). Sdlg. T1461A. TB, 34", M, Y1F. Bright brassy gold self. (Molten x Argus Pheasant) X Al Borak.

- *GOLDEN CHARMER (Lerton W. Hooker, TB, R. 1966). Tell 1967.
- GOLDEN COIN (Cora May Pickard, R. 1967). Sdlg. C-2614. BB, 26", ML, Y1F. Golden yellow with flame beard; laced flaring falls; S. closed and laced. (Chantilly x Pink Formal) X Limelight.
- GOLDEN ICE (Schreiners; selector, George Thompson, R. 1967). Sdlg. R-16-2. TB, 34", M-L, Y01L. Apricot self. L 59-2 (Radiation x Lap E 8) x I 77-1 (Apricotta x Galatea) X Glittering Amber.
- GOLDEN MANTILLA (Grace F. Guenther, R. 1967). Sdlg. K-3-1. IB, 19", M, Y1P. Aureolin yellow (Wilson 2/3) self; laced; gold beard. Rainbow Gold X H-2-1 ((F-11-2 (Chantilly x Cretica) x self)).
- GOLDEN MEMORIES (W. B. Schortman, R. 1967). Sdlg. 6435. TB, 36", M-L, Y1F. Golden or orange-yellow self; yellow beard. Gold Formal X (Stop x yellow sdlg.)
- *GOLDEN PALOMINO (Reuben Smith, TB, R. 1966). Kopl Acres 1967.
- GOLDEN PARASOL (Harry O. Hite, R. 1967). Sdlg. HL-13-60. TB, 34", ML, Y1F. Heavy crepe textured solid gold self. Convention Queen X June Sunlight.
- GOLDEN SENSATION (Neva Sexton, R. 1967). Sdlg. 60-56. TB, 34", M, Y1F. Deep yellow self; ruffled. Moon River X Rainbow Gold. HC 1966. Sexton 1967.
- GOLDEN SHEKELS (Frank A. Williams, R. 1967). Sdlg. F37. BB, 24", M, Y1F. Golden yellow self; flared. Gold Sovereign X (Berkeley Gold x Casa Morena).
- GOLDEN WIZARD (D. W. McLain, R. 1967). Sdlg. 62131. TB, 38", M, Y1F. Canary yellow self; laced and fluted; yellow beard. Rainbow Gold X (Ruth x Limelight).
- *GOLDIANA (Eugene Sundt, Eupogocyclus, R. 1959). Aril Society 1967.
- *GOLD LOCKET (Alta Brown, MDB, R. 1966). Brown's Iris Gardens 1967.
- *GOODNESS GRACIOUS (H. W. Neubert, TB, R. 1966). Neubert 1967.
- GOOD TIMES (Bryce Phenis, R. 1967). Sdlg. 64-23-1. TB, 34", M, Y01L. S. smooth apricot-orange, flushed pink; F. smooth, broad apricot-orange; red beard. Claudia Rene X Celestial Glory.
- G. PERCY BROWN (Raymond G. Smith, R. 1967). Sdlg. E33AR. TB re, 30", M & re, W2Y. S. light yellow (Nickerson 7.5Y 9/8); F. white, edged light yellow. (Hall pink sdlg. x Gibson Girl) X sib of Lovely Again.
- *GRAND APPLAUSE (Margaret Beck, TB, R. 1966). Misty Hills 1967.
- GRAND DESIGN (Rev. Charles C. Jack, R. 1967). Sdlg. 65-39-A. TB, 30", M-L, Y5F. S. golden yellow; F. same with cream infusion; tangerine-orange beard; ruffled. Grande Coulee X Coraband.
- GRAND OPENING (Louis A. Kamps, R. 1967). Sdlg. 64-01. TB, 38", E, B1P. French blue (Wilson 43/3) self; white beard. Regina Maria X (Galilee x Arctic Flame sib).
- GRANT REX (Harry W. Riggs, R. 1967). Sdlg. 1-G-12. TB, 34", M,

- V3FD. S. plum purple (Wilson 934/1); F. much darker; beard same. Black Castle X Sable Night.
- GREEN BUMBLE (Teresa J. Martin, R. 1967). Sdlg. 3-62. IB, 18-20", E-L, Y3LPcm. S. primrose yellow; F. cream with large deep green spot. Green Spot X (Sable x unknown).
- GREEN CHIC (Tom Craig, R. 1967). Sdlg. 66B18-2G. TB, 36", M, W1G. S. white, strongly tinted pale grey-green, especially on midrib; F. similar but a little deeper; flaring and rippled. Melodrama X (Patricia Craig x Bob's Blue sib). Craig 1967.
- GREEN PATCH (Tim Craig, R. 1967). Sdlg. 239 ph.8. SDB, 12", EE, W1cm. S. white; F. white with Chinese yellow and green spot. Steeplechase sdlg. X Little Darky. Craig 1967.
- GWYNETH (Ruth A. Stephenson, R. 1967). Sdlg. 64-17A. IB, 18", M, W1. White self. DP1 (Snow Flurry x Green Spot) X D47-3 (Whole Cloth x Galilee).
- GYPSY FIDDLER (Steve C. Moldovan, R. 1967). Sdlg. 66-3. TB, 36", E, O5D. S. brown blend; F. same with gold hafts and edge; large gold beard; very ruffled. Sterling Silver X Brass Accents.
- *GYPSY FIRE (Eva Smith, TB, R. 1966). Smith's Iris Gardens 1967.
- GYPSY RINGS (George A. Shoop, R. 1967). Sdlg. 63-18-1. TB, 36", E-M, O4W. S. pink; F. white with 1/4" yellow rim; ruffled; pink-tangerine beard. Gay Whisper X 59-6-1. Shoop 1967.
- *HALF CROWN (Earl Roberts, SDB, R. 1966). Roberts 1967.
- *HALLELUIAH MISS (Dr. C. M. Stults, TB, R. 1966). Koloriot 1967.
- *HAMMER BEE (Reuben T. Smith, TB, R. 1966). Kool Acres 1967.
- HAPPY MOOD (Alta M. Brown, R. 1967). Sdlg. M 988-6. IB, 22", E, W2VB. S. white with light blue (Wilson 640/2) markings; F. white with band of blue markings; ivory beard tipped orchid. Knotty Pine X Rococo.
- *HARBOR VIEW (Edward Christensen, TB, R. 1966). Eden Road 1967.
- HATARI (D. Steve Varner, R. 1967). Sdlg. 489. TB, 36", EM, R1P. Light red-pink self. 24 (Hall 46-14 x May Hall) X B60 (Pink Enchantment selfed).
- HAUNTING RHAPSODY (Joseph J. Ghio, R. 1967). Sdlg. 64-260C. TB re, 40", E-L, V1P. Lavender-orchid self; bluish beard. Marie Phillips X Mahalo.
- HAWAIIAN LOVE CALL (W. B. Schortman, R. 1967). Sdlg. 4189. TB, 38", E-M, VR1. Violet-red self; brown to blue beard. 60139 Bro. Charles lace sdlg. x 54106 laced sdlg. X Polka Lace.
- HAZE (Ruth A. Stephenson, R. 1967). Sdlg. 64-13A. IB, 20", M, V5Pcm. Blend of soft, light tan and lavender; brown lines over white each side of beard; light yellow style arms with lavender crest and lavender down center of style arms. Taholah X Knotty Pine.
- *HEATHER VALLEY (Gerhard Carlson, TB, R. 1966). Eden Road 1967.
- *HEAVENS ABOVE (Cora May Pickard, TB, R. 1966). Pickard 1967.
- HELLO (Joseph A. Gatty, R. 1967). Sdlg. M601. SDB, 10", L, W1Bcm. S. white; F. white with opalescent blue spot; white beard. Chivalry X Sulina. Gatty 1967.

- HEY JOE (Neil A. Mogensen, R. 1967). Sdlg. I-148-1. TB, 36", M, W2Y. Yellow on white plicata; S. nearly solid; F. white in center, bordered with gold dotting to solid yellow-gold at petal edges. Dream Dance X Lula Marguerite.
- *HIDDEN CARGO (Mrs. Nick Carstensen, TB, R. 1966). Nick's 1967.
- HIGH ADVENTURE (Schreiner's; selector, Marx Gardens, R. 1967). Sdlg. T 1005-A. TB, 34", ML, O5. S. brown washed with lavender; F. yellow washed with brown. N790-1 (Oriental Glory x Inca Chief) X Olympic Torch.
- HIGHBORN (O. T. Baker, R. 1967). Sdlg. 62-4-D. TB, 32", EML, OP4VBP. S. pale orange-yellow (Munsell 7.5YR 9/4); F. very pale blue (2.5PB 8/5). Toll Gate X Wayward Wind. HC 1967.
- HIGH CASCADES (Walter Marx, R. 1967). Sdlg. 116-1. Japanese, 60", L, V1L. Light orchid self; darker styles, almost purple. World's Delight x 103-4 X 102-7.
- *HIGH SIERRA (Larry Gaulter, TB, R. 1966). Cooley 1967.
- HOKEY (Gertrude Hays, R. 1967). TB, 30", M, Y3Pcm. S. cream; F. creamy-white, veined almost black; light cream beard. Unknown parentage.
- *HONESTY (Steve Moldovan, TB, R. 1966). Moldovan 1967.
- HORNED SUNSHINE (Mrs. Luella Noyd, R. 1967). Sdlg. N64-90-48. TB, 36", M-L, Y3LF. S. light yellow; F. deeper yellow; long horned beards. Glitter Glow X Lemon Spoon.
- HOT CANARY (Mrs. Peter C. Markham, R. 1967). Sdlg. 64-23A. TB, 33", EM, Y1F. Vivid yellow (Munsell 5Y 8/12) self with matching beard; slightly frilled. L. Markham 61-9D2 (red-brown sib to Mohawk Trail) X Robert Smithwood.
- *HOT SAND (Margaret Beck, TB, R. 1966). Misty Hills 1967.
- HOT SPELL (Gordon W. Plough, R. 1967). Sdlg. 62-51-24. TB, 33", EML, Y1F. S. lemon yellow (Wilson 4/1) with almost a pink glow in center; F. lemon yellow (4); Indian yellow (6) beard. Rainbow Gold X Golden Wings.
- HOUSE PARTY (Tim Craig, R. 1967). Sdlg. 135KAN. Arilbred, 24", E, V4Y. S. pink-lavender-violet blend; F. topaz gold. Winter Rose X Kalifa Gulnare. Craig 1967.
- HUMDINGER (H. W. Neubert, R. 1967). Sdlg. 55-65A. TB, 34", M, Y05V. S. antique bronze infused olive; F. plum-purple with violet infusion below beard; touch of chocolate on each side of falls at haft. Cook sdlg. 12058 X Wayward Wind.
- HUNTER'S NIGHT (Mrs. Katie S. Carstensen, R. 1967). Sdlg. C 27-64. TB, 36", M, R1D. Rhododendron self (Maerz & Paul). Hidden Fire X (Huntsman x Night Shadow sdlg.)
- IBERIAN GEM (John Holden, R. 1967). Sdlg. Ha22a. Onco hybrid, 12", M, YW4Vcm. S. yellow white delicately veined purple (RHS 158B); F. grayed purple, heavily veined and dotted darker purple; dark signal. I. lortetii X I. iberica.
- ILA NUNN (Charles W. Arny, Jr., R. 1967). Sdlg. 1C-64. Louisiana, 36", ML, W1cm. White self with bright yellow line crest; edges ruffled. Louise Arny X (Snow Pearl x Puttytat).
- *IMPACT (Kamps, TB, R. 1965). Moldovan 1967.

- IMPERIAL BURGUNDY (Eleanor McCown, R. 1967). Sdlg. 67-1.
 Spuria, 50", E, VR1Dcm. Deep purple-red (Nickerson 10RP 3/10) self; very small yellow signal. Perky Maid X Banners of Blue. Van Dusen 1967.
- *IMPERIAL FLIGHT (Eleanor McCown, Spuria, R. 1966). Van Dusen 1967.
- *IMPERIAL NIGHT (Eleanor McCown, Spuria, R. 1966). Van Dusen 1967.
- INDIAN FRINGE (Romona A. Blodgett, R. 1967). Sdlg. 64-09. TB, 32", M, OY1F. Yellow ochre (Wilson 07/1) self. Rainbow Gold X Schroeder 60-64-21. HC 1967.
- *INDIAN HEAD (James S. Tucker, TB, R. 1966). Southern Meadows 1967.
- INDIAN PUEBLO (Marion R. Walker, R. 1967). Sdlg. S-75-61. Spuria, 36", M, YO5F. S. deep yellow heavily overlaid mahogany brown; F. same with heavier overlay. Sunny Day X Driftwood.
- INDIGENT ARAB (John Holden, R. 1967). Sdlg. Ha16a. Onco hybrid, 15", E, W2OD. Gray ground heavily veined and dotted brown (RHS 200 A-B); F. same but heavier to almost solid; darker signal; brown beard. I. susiana X I. atropurpurea.
- *INDIGO IMP (Cliff L. Elkins, TB, R. 1966). Echo Hill 1967.
- *INTEGRITY (Ferris Gaskill, TB, R. 1966). Greenbrier 1967.
- INTREPID INGENUITY (A. H. Hazzard, R. 1967). Sdlg. 454. Japanese double, 36", E, WBV5L. No standards; F. white and light blue-violet blend, progressively darker from large yellow signal to end of F; style arms white with bright lavender tips and edges. Ocean Mist X Rose Anna. Hazzard 1967.
- *IRENE NEECE (Tell Muhlestein, TB, R. 1966). Tell 1967.
- *IRIS CORSAGE (Eva Smith, Novelty TB, R. 1966). Smith's Iris Gardens 1967.
- IRISH DELIGHT (Luella Noyd, R. 1967). Sdlg. N64-60-65. TB, 36", M-L, GY1P. Greenish yellow self with green beard. 61-32-2 (Green Tinge x Woodland Sprite) X 61-32-1 (sib to above).
- *IRISH LILT (Alta Brown, SDB, R. 1966). Brown's Iris Gardens 1967.
- IRISH WHISPER (Richard S. Rosenfels, R. 1967). Sdlg. 6012-2. MDB, 8", E-M, W4YG. S. clear white; F. yellow-green; light yellow beard with white tip. Lilli-Green X Green Spot. Old Brook 1967.
- *ISLE OF DREAMS (Alta Brown, IB, R. 1966). Brown's Iris Gardens 1967.
- IVORY TOUCH (Mrs. J. R. Hamblen, R. 1967). Sdlg. M63-2. SDB, 10", M-L, Y1Pcm. Cream self with gold midrib and gold whiskering on F; white tipped beard. Baria X Celestial Glory.
- JABAL AZIZ (Aril Society Int. for C. G. White, deceased, R. 1967). Sdlg. W04. Arilbred, 26", E, Y1F. Deep yellow self. Unknown parentage. Aril Society 1967.
- JADITE (Robert L. Dunn, R. 1967). Sdlg. 62-29. TB, 38", M,

- W1Y. Warm white self; pale yellow beard. Celestial Snow X Frosted Lace. EC 1966.
- JAI ALAI (Leo Clark by D. Lorenz, R. 1967). Arilbred, 24-26", OY5cm. S. taffy yellow, cinnamon-brown veining; F. same with more veining, extra wide, ruffled; red-black signals. I. susiana X Wilkes sdlg. (Jallah Effendi x Kalifa Baltis). Sierra View 1967.
- *JAKARTA (Gordon Plough, TB, R. 1966). Eden Road 1967.
- JAMIE BOY (Carleton G. MacLean, deceased; by Mrs. MacLean, R. 1967). Sdlg. M65-I35. TB, 40", ML, W1W. Large white ruffled self; yellow beard tipped white. Lady Boscawen X Cassebeer sdlg. 503.
- JANET DIANE (Hilda Fail, R. 1967). Sdlg. H-18. TB, 38", E, R1P. Pink self (Wilson spinel red 0023/3); white at hafts, laced. Arctic Flame X Spring Festival. Hilda's 1967.
- *JANICE RUTH (Eugene Buckles, TB, R. 1966). Buckles 1967.
- *JANNI (Mrs. J. R. Hamblen, TB, R. 1966). Mission Bell 1967.
- JAUNATRE (C. J. Blyth, R. 1967). TB, 38", EML, Y1L. Lemon yellow self. Lemon cream sdlg. (New Snow x Happy Birthday) X yellow and white sdlg. (Melody Lane x Sultan's Robe).
- JEANNIE JAYNE (Katherine J. Gill, R. 1967). TB, 28", M, O1P. S. light peach; F. slightly darker; orange beard. Large pale yellow sdlg. X Pink Cameo.
- JEBEL JEHAR (C. G. White by Fae Bethurum, Selector, R. 1967). Sdlg. 27-55. Arilbred, 38", E, GY5. S. greenish amber, greener at rib, edged faintly veined lavender-pink; F. greenish yellow, center overlaid red, strongly sanded brown, dark brown signal area; slightly ruffled. Unknown parentage. Aril Society 1967.
- *JOHN LESLIE (E. & A. Watkins, TB, R. 1966). Fairmount and Old Brook 1967.
- JOLIE (Schreiner's, R. 1967). Sdlg. V 664-1. TB, 32", E-VE, W2V. Sharp white background with distinct plicata markings (RHS violet 36/1 to 36); broad, full formed and heavily ruffled. Kimberly X Rococo. Schreiner's 1967.
- *JOLLY JOKER (Alta Brown, IB, R. 1966). Brown's Iris Gardens 1967.
- JOY BILSTON (Arthur A. Bilson, R. 1967). TB, 24", M, V1F. Violet self (Fischer 2), blue center, brown on shoulders, yellow beard. Mary Randall X Belle Meade.
- JOYCE M. EDWARDS (Ernest G. B. Luscombe, R. 1967). Sdlg. 12/4/64. TB, 42", M, Y1L. Light straw yellow self with small white blaze below orange beard. Mauve Vision X Happy Birthday.
- JOY RIDE (Mrs. Luella Noyd, R. 1967). Sdlg. N65-40-1. TB, 34", M-L, W2OR. S. brown-red; F. center white, border reddish brown. Plicata Lace X Henna Stitches.
- *JUDEAN MOON (Leo Clark, Oncocyclus, R. 1966). Sierra View 1967.
- JUDEAN STAR (John Laur, R. 1967). Sdlg. 023A59. Oncocyclus, 22", M, VP4Wcm. S. very pale violet (Nickerson 10PB 8/4), veined strong violet (10PB 3/10); F. white with gold flush, veined maroon; large black signal, maroon flush. Judean

Charmer X Judean Silver.

JUDGES' CHOICE (Dr. J. R. Durrance by E. Long, Selector, R. 1967). Sdlg. D60-90. TB, 34", M, O1L. Apricot pink self. Precocious X Glittering Amber. Long 1967.

*JULIA M. (Reuben Smith, TB, R. 1966). Kool Acres 1967.

*JUNE PROM (Alta Brown, IB, R. 1966). Brown's Iris Gardens 1967.

JUNE WEDDING (Eva Smith, R. 1967). Sdlg. 64-299. TB, 36", M, W1. White self with yellow beard. Idaho Gold X Celestial Snow.

JUNGLE BIT (Leda Mae Christlieb, R. 1967). Sdlg. 4DA6OD7. Aril-bred, 14½", EM, Y4V. S. mauve; F. straw; burnt orange beard; brown signal. Pigmy Gold X Kalifa Hirfa.

*JUNGLE KID (Alta Brown, IB, R. 1966). Brown's Iris Gardens 1967.

*JUST PLAIN BILL (Wolff-Hildenbrandt, BB, R. 1965). Hildenbrandt 1967.

KAREN LEE MABUS (Harvey R. Burns, R. 1967). Sdlg. 65-10. TB, 36", M, RV3LPcm. S. cyclamen purple (30/2); F. cyclamen purple (30/3); white flash in center. ((Pagan Princess sdlg. X New Horizon) x Breath of Spring)) X Palomino.

KASHMIR LACE (Mabel Framke, R. 1967). TB, 40", M-VL, Y5L. Chamois blend; laced. ((Cool Comfort x Gentle Star) x Cool Comfort)) X (Golden Garland x Festoon). Fleur de Lis 1967.

*KATE'S COUSIN (Mildred Brizendine, BB, R. 1966). Brizendine 1967.

*KATY LUCILE (H. W. Neubert, TB, R. 1966). Neubert 1967.

*KAY STULTS (Stults, TB, R. 1965). Koloriot 1967.

KICK OFF (Mrs. Luella Noyd, R. 1967). Sdlg. N65-91-2. TB, 36", L-VL, B1L. Light blue self; red beard. 62-70-63 (Galilee x Pretty Gay) X 62-76-63 (My Happiness x sib to Albino Girl).

KID (Tim Craig, R. 1967). MTB, 24", E, W1Y. S. white; F. white with very pale yellow wash. Clean Sweep X My Daddy. Craig 1967.

*KIMZEY (Glenn Corlew, TB, R. 1966). Cherry Lane 1967.

KING'S COUNTY (Carl A. Quadros, R. 1967). Sdlg. 56-302A. TB, 34-36", EM, Y01L. S. apricot orange; F. same; tangerine beard. Mary Randall X (Pink Sensation x Spindrift).

KINGSTON (David Lorenz, R. 1967). Sdlg. 65-32-B. TB, 34", E-M, W4B. S. clean blue-white; F. sky blue; white beard; ruffled. Amethyst Flame X Whole Cloth.

KISS 'N TELL (George A. Shoop, R. 1967). Sdlg. 63-18-3. TB, 36", EM, W1R. White self; tangerine beard. Gay Whisper X Sdlg. 59-6-2.

*KISS OF LEMON (Gordon Plough, TB, R. 1966). Eden Road 1967.

KITTY JENKINS (E. Jenkins, R. 1967). BB, 24", M, RV1L. Soft violet self; pale gold haft area; yellow beard. Real Gold X Blue Sapphire.

- KNAPP OF REEDS (Thelma D. Carrington, R. 1967). Sdlg. 440-A. TB re, 34", M-L, RV3D. S. dahlia purple; F. velvety aconite violet to plum; flush white at haft; plum beard. Savage X Sable Night.
- *KNEE HIGH (Luella Noyd, BB, R. 1966). Noyd 1967.
- KOREAN KAPERS (Loleta K. Powell, R. 1967). Sdlg. 66-92. TB, 37", M-L, Y2V. Cream ground plicata heavily edged blue-burgundy. Bazaar X Full Circle.
- KUTER STONE (Dr. Maude Tipton, R. 1967). Sdlg. 59-112. TB, 36", E, V1D. Dark violet self. Ebony Prince X Ultra Violet.
- KYAH CHARM (C. J. Blyth, R. 1967). BB, 24", ML, BV1P. Pale lavender ruffled self. Mrs. T. Farmilo X Lilac Arbor.
- KYAH KYUMA (C. J. Blyth, R. 1967). TB, 36", EM, Y03LF. S. golden buff apricot; F. deeper golden buff. Rosemary Gair X Paragon.
- KYAH LAWANA (C. J. Blyth, R. 1967). TB, 36", ML, BV1P. S. pale lavender; F. slightly deeper lavender, lighter hafts, some haft lines. Pink Plume X lavender sdlg. (Mrs. T. Farmilo x Lilac Arbor).
- KYAH MARANGA (C. J. Blyth, R. 1967). TB, 38", L, B1F. Deep blue self; blue beard. White Peacock X Kenimbla.
- KYAH ORIENT (C. J. Blyth, R. 1967). TB, 38", ML, RV5Fcm. S. vibrant rose red; F. amaranth blended rich claret with 1/4" band of vibrant rose red. Oriental Glory X Lady Albright.
- KYAH SUN (C. J. Blyth, R. 1967). TB, 38", EM, Y1F. Golden yellow self. Char-Maize X (Melody Lane x Sultan's Robe).
- *LACEDALOT (Merle Daling, TB, R. 1966). Eden Road 1967.
- LACED DUET (Raymond G. Smith, R. 1967). Sdlg. 6649ER. TB re, 29", E & re, 01Pcm. S. light yellowish pink (Nickerson 2.5YR 9/3); F. same around edge; blade appears almost white. Arctic Flame X ((Polar King x Autumn Snowdrift) x Lacy Lu)).
- LADY C (Neil A. Mogensen, R. 1967). Sdlg. I-214-1. TB, 34", M-L, W1. White self, soft coral beard. First Flight X Orange Frills.
- *LA JUANA (Rex Brown, TB, R. 1966). Brown's Iris Garden 1967.
- *LAKE MATTAWA (Frederick W. Gadd, Arilbred, R. 1966). Wethersfield 1967.
- *LAKE WASHINGTON (Rex Brown, TB, R. 1966). Brown's Iris Garden 1967.
- LANDSCAPE (J. D. Taylor, R. 1967). Sdlg. H.47/3. SDB, 11", M, 05D. S. brown; F. brown with bright blue beard. (B.35 x Green Spot) X Blueberry Muffins. HC Wisley 1967.
- LA RASPA (Ben R. Hager, R. 1967). Sdlg. T1897A. TB, 38", M, Y04R. S. creamy beige; F. medium red. ((Maytime x Lord Dongan) x Broadway Star)) X unknown bicolor with tangerine-bearded antecedents.
- LASSETER'S REEF (C. J. Blyth, R. 1967). TB, 30-36", EM, Y1F. S. golden yellow; F. same, ruffled; yellow beard. (Snow Flurry x Happy Birthday) X (Melody Lane x Sultan's Robe).

- *LATE RETURNS (Horace Wright, TB re, R. 1964). Hall 1967.
- *LATE SHOW (Horace Wright, BB, R. 1964). Hall 1967.
- *LAUNCHING PAD (Maynard Knopf, TB, R. 1966). Knopf and Tell 1967.
- LAVENDER DIADEM (C. J. Blyth, R. 1967). TB, 36", EM, BV1P. Lavender self with some deeper veining. Ruffled Organdy X Dorothy Issell.
- *LAVENDER LASS (Alta Brown, SDB, R. 1966). Brown's Iris Garden 1967.
- LE CORDON BLEU (C. A. Swearengen, R. 1967). Sdlg. 150. Jap, 36", E-LM, BV1Lcm. Light ultramarine violet self; prominent dark dioxazine purple veins. Frances Horton X Kay and Water. HC 1966. Swearengen 1967.
- LEE ANN (Tom J. Hughes, R. 1967). Sdlg. HG 33. TB, 30", M, V3PL. S. pale violet; F. light red-violet. Melodrama X Whole Cloth.
- LEHIGH BLUE (Cloyd F. Sensenbach, R. 1967). Sdlg. 6103. Jap, 40", M, W4B. S. white with blue edges; F. deep blue, white halo. From two unnumbered blue sdls.
- LEHIGH LINES (Cloyd F. Sensenbach, R. 1967). Sdlg. 6020. Jap, 40", M, B1Fcm. Six petals deep blue with prominent lines to edge of petals; styles white tipped self, gold arrow. From unnumbered blue and white sdls.
- LEHIGH WAVES (Cloyd F. Sensenbach, R. 1967). Sdlg. 5711. Jap, 40", E, V4Bcm. S. plum; F. blue with white streaks and flecks, waved; prominent yellow arrow; styles uniform deep plum. From unnumbered blue and white sdls.
- *LEMON DOLL (Beatrice Warburton, I. pumila species type, R. 1966). Old Brook and Warburton 1967.
- *LEMON DREAM (Alta Brown, SDB, R. 1966). Brown's Iris Gardens 1967.
- LIBERTY SPOT (Tim Craig, R. 1967). Sdlg. 244. MDB, 8½", EE, BV1cm. Regal blue-violet self with dark navy-violet spot on F. (Steeplechase x Bob's Blue) X B. Jones sdlg. Craig 1967.
- LI'L KITTY HAWK (Dorothy E. Guild, R. 1967). Sdlg. 63E14. MTB, 26", ML, Y04V. S. golden brown; F. violet with haft marks; yellow-orange beard. Eversweet selfed.
- *LIGHT CAVALRY (Bennett Jones, IB, R. 1966). Jones 1967.
- *LIGHTS OF PARIS (R. A. Rich, Siberian, R. 1966). Melrose 1967.
- LIGHT TOUCH (Opal L. Brown, R. 1967). Sdlg. 5-29A2. TB, 36", M-L, 01P. S. between peach (512/1) and Mars (013/3); F. Spanish orange (010/3) with light infusion of green; brick red (016/1) beard. L-1A2 (laced pink from involved pink breeding) X Chinese Coral. Brown's Sunnyhill Gardens 1967.
- *LILA CAROL (Eugene Buckles, TB, R. 1966). Buckles 1967.
- LILAC STAR (Cloyd F. Sensenbach, R. 1967). Sdlg. 5438. Jap, 18", M, V1L. Six petals light lilac, deeper at edges, which are twisted and pinched; styles deeper lilac; star-like effect. From unnumbered sdls.
- LILAC SUPREME (Schreiners; selector, W. Marx, R. 1967). Sdlg. T1439-1. TB, 42", L, V1P. Lavender self. Crinkled Beauty X

- R 113-F (Amethyst Flame x Alpenrose).
- LILA WILLIAMS (C. J. Blyth, R. 1967). TB, 34", ML, V1. Violet self; large and ruffled. White Peacock X Kenimbla.
- LILLIAN ELIZABETH (A. W. Johnson, R. 1967). TB, 32", B3PD. S. very pale blue-white; F. deep blue. Allegiance X Whole Cloth.
- LILLIBULLERO (Charlotte C. Gantz, R. 1967). Sdlg. 61-62C. SDB, 12", E-M, R1D. Dark red (Nickerson 2/5 R3/7) self with tawny beard. Privateer X Red Amethyst.
- *LINES OF BEAUTY (Luella Noyd, TB, R. 1966). Noyd 1967.
- *LION OF JUDAH (Hazel E. Schmelzer, TB, R. 1966). Schmelzer 1967.
- *LITTLE BLACKFOOT (Mattie Reinhardt, SDB, R. 1966). Reinhardt 1967.
- LITTLE BLUEBIRD (Dorothy E. Guild, R. 1967). Sdlg. 63-E-20. MTB, 24-26", EM, BV4Ylcm. S. methyl violet (39/2); F. edged methyl violet with stripes of violet (39) on cream ground; yellow beard. Eversweet selfed.
- LITTLE LEMON (Lucille J. Kavan, R. 1967). MDB, 3½", E, Y1L. Mimosa yellow (Wilson 602/1) self; no markings. Blue Frost X self.
- *LITTLE LENA (Mrs. John Bierman, Chamaeiris, R. 1966). Bierman 1967.
- *LITTLE NANETTE (Milner, SDB, R. 1961). Old Brook 1967.
- *LITTLE SHAVER (Leona P. Mahood, MDB, R. 1966). Northwest Hybridizers 1967.
- LITTLE SIRE (Frank A. Williams, R. 1967). Sdlg. H4. SDB, 12", EM, Y4Rcm. S. brassy yellow; F. dark red with yellow edge. Solid Mahogany X Red Amethyst.
- LITTLE SUNBEAM (Alta M. Brown, R. 1967). Sdlg. D 828-3. MDB, 5", EE, W4Ycm. S. creamy white; F. bright yellow with even border of cream-white; cream beard. Green Halo X Orchid Elf.
- LITTLE SUSIE (Carl A. Quadros, R. 1967). Sdlg. 64-136B. BB, 18-24", EM, W40. S. white; F. baby ribbon pink; tangerine beard. (((Pin Up Girl x Baby's Bonnet) x May Hall)) x (Casamorena x Golden Russett))) X Mary Randall.
- LITTLE ZOMBIE (Tim Craig, R. 1967). Sdlg. 2093-2. IB, 18", E, R1D. Indian red and ruby amethyst self. (R1-61 x Zombie) X Black Baby. Craig 1967.
- LOCH INCH BLUE (Carleton G. MacLean, deceased; by Mrs. MacLean, R. 1967). Sdlg. M64-C27. TB, 40", ML, B1F. Marine blue self; ruffled; gold beard tipped blue. Blue Valley X Narain.
- LOOK (H. E. Briscoe, R. 1967). SDB, 12", E, Y4R0. S. gold; F. red-brown. Lilli-Var selfed.
- *LORD WARDEN (J. D. Taylor, TB, R. 1966). Orpington 1967.
- LOTTA CHARM (Mrs. Luella Noyd, R. 1967). Sdlg. N65-70-4. TB, 36", M-L, V3Lcm. S. light orchid, lacy; F. top third white, lower part deeper orchid, fluted; red beard. N62-30-60 (Flaming Beard x Glittering Amber) X Chinese Coral.
- *LOVE'S LABOR (Gordon Plough, TB, R. 1966). Eden Road 1967.
- *LUSCIOUS LADY (Voriss, TB, R. 1965). Voriss 1967.

- LUSCIOUS LOVE (Margaret Beck, R. 1967). Sdlg. 64R7. TB, 34", E-L, VR5D. Rosy red self; ruffled and flared. Fusileer X (Allaglow x Brigadoon).
- *MABEL NICOLL (C. C. Hall, TB, R. 1963). Orpington 1967.
- MADEIRA BELLE (Carl A. Quadros, R. 1967). Sdlg. 64-79A. TB, 36", EM, W1GY. S. off white; F. same with greenish cast at hafts; off white beard. Lovilia X Angel's Dream.
- *MAGIC HOUR (Eva Smith, TB, R. 1966). Smith's Iris Gardens 1967.
- *MAGIC SECRET (Sarro, SDB, R. 1964). Old Brook 1967.
- MAGNIFICENT MAGIC (A. H. Hazzard, R. 1967). Sdlg. 580. Jap double, 36", M, WBV5Fcm. No standards; F. white and blue-violet blend with conspicuous veining emanating from yellow signal with full dark violet halo. Style arms erect, dark violet, tufted. Enchantment X unknown. Hazzard 1967.
- MAGNOLIA BLOSSOM (Walter Marx, R. 1967). Sdlg. 123-3. Jap, 36", E-M, V1L. Orchid self; styles deep orchid to purple. O.S. 178 X 63-7.
- MAIRE PINEL (Mrs. Jean Collins, R. 1967). TB, 36", M, 01P. Soft flesh pink self; tangerine beard. Chris Mackay x pink sdlg.
- MAIWYN (C. J. Blyth, R. 1967). TB, 36", EML, Y1P. Lemon-cream self. ((New Snow x Happy Birthday) x (Melody Lane x Sultan's Robe)) X cream sdlg. (Tropic Moon x Cabarita).
- MANDARIN PRINCESS (Steve C. Moldovan, R. 1967). Sdlg. 66-9. TB, 33", EM, R1P. Pink self; deeper pink beard. 63-4 (Court Ballet sib x Jean Ann) X 63-1 (New Arrival x One Desire).
- *MANDY HALL (C. C. Hall, TB, R. 1965). Orpington 1967.
- MAN, MAN (Cora May Pickard, R. 1967). Sdlg. C-362. TB, 36", ML, B1F. Medium blue self. Balladeer X Blue Bermuda.
- MANY MOONS (Horace A. Wright, R. 1967). Sdlg. 6130. TB re, 32", M & re, Y1P. Large, broad cream-white self with purple midrib on F. Lady Moon X Gibson Girl. Hall 1967.
- MARGARET McCORMICK (C. J. Blyth, R. 1967). TB, 36", EM, 01P. Tailored flamingo-pink self; wide red beard. Oriental Pearl X Flamingo sdlg. (Radiation x apricot sdlg.)
- MARJORIE BRUMMITT (Frank E. Chowning, R. 1967). Louisiana, 20", E, 04VRcm. S. lightest tint of nasturtium red (RHS 14/3); F. ruby red with orange signal patch (RHS 827/1). From a line of unnamed sdls. descended from Cherry Bounce.
- MARJORIE MAE (G. A. Timbs, R. 1967). Sdlg. 311. BB, 23", ML, Y1F. Medium bright yellow self, more intense at haft and around deep orange beard; ruffled and flaring. Golden Flash X Sdlg. 541 ((Matula x Buffawn) x Pink Formal)) x Paradise Pink.
- #MARQUESAN SKIES (Blocher, TB, R. 1964). Name released to C. Blocher.
- MARQUESAN SKIES (Clarence J. Blocher, R. 1967). Sdlg. 81. TB, 32", M, VB1P. Pale lavender-blue with flaming red beard. (Arctic Flame sib x Bluebird Blue) X Fleeta. Blocher 1967.
- *MARSHLANDER (J. D. Taylor, TB, R. 1966). Orpington 1967.

- *MARSHMALLOW (M. Olson, TB, R. 1963). Olson 1967.
- MARY GERALDINE (Elizabeth Bellmer, R. 1967). Sdlg. 61 A. TB, 36", VL, O1L. Orange self; orange beard; small white spot on haft. Apricot Belle (Pink Formal x New Horizon) X Spanish Affair.
- MARYLAND LASS (Kathryn Van Dexter, R. 1967). Sdlg. M-01. TB, 32", L, RV1F. Strong reddish purple (Nickerson 10P 4/10) self with tan flush below watermelon red beard. Mary Randall X Fleeta.
- *MASCARA (Clifford Benson, TB, R. 1964). Benson 1967.
- MAUVE MAJESTY (A. H. Hazzard, R. 1967). Sdlg. 315. Jap double, 34", E, V1Fcm. No standards; F. bright mauve violet; bright yellow signal with blue rays; style arms mauve-violet, tufted, darker tips; all edges have narrow darker mauve border. Catherine Parry X unknown. Hazzard 1967.
- MAY DANCER (George A. Shoop, R. 1967). Sdlg. 59-10. TB, 36", M, VR1L. Clear rose-pink self; beard same. B56-35 X B57-6. HC 1965. Shoop 1967.
- MAY GREETING (Dora K. Wall, R. 1967). Sdlg. 61-31B. TB, 32", M, W4VR. S. white flushed orchid when opening; F. spinel pink (Wilson 0625/1). Maytime X 59-77A((Queen's Taste x (Matula x Miss California))).
- MEDIA LUZ (Ben R. Hager, R. 1967). Sdlg. S51D. Spuria, 40", LM, Y5P. S. light lavender over cream; F. light grayed lavender over cream. Dutch Defiance X Wadi Zem Zem.
- *MEDITATE (Joseph Ghio, TB, R. 1966). Bay View and Old Brook 1967.
- *MEDORA (C. & K. Smith, TB, R. 1966). Moldovan 1967.
- *MERRY SUNLIGHT (Bennett Jones, SDB, R. 1966). Jones 1967.
- MESMER (Peter C. Markham, R. 1967). Sdlg. 6263-6C. TB, 40", ML, B1L. Clear light blue (Munsell 5PB 7/7) self, paling to white area under white beard, lightly ruffled. Galilee X Celestial Snow.
- MIA MAID (Dr. Odell Julander, R. 1967). Sdlg. J-65(4)9. BB, 18", M, B1L. Clear medium-light blue self; ruffled and flaring. Whole Cloth X Rippling Waters. HC 1966. Tell 1967.
- MICHELLE BURNS (Harvey R. Burns, R. 1967). Sdlg. 67-6. TB, 36", M-L, W2RV. S. white edge streaked 1/4" mallow purple; F. white shoulders streaked and edged mallow purple. Kimberly X Selena Eileen Burns.
- *MIDNIGHT DREAM (H. W. Neubert, TB, R. 1966). Neubert 1967.
- MIDNIGHT MEDLEY (Mrs. Mable Framke, R. 1967). TB, 38", M-L, BV1D. Blue-black self; large and ruffled. (Deep Space x Mountain Music) X Licorice Stick. Fleur de Lis 1967.
- MINI-SAPPHIRE (Harry B. Kuesel, R. 1967). BB, 26", M, B1P. Pale silvery blue self, bluish-white beard. (Black Forest x Pinnacle) X Blue Sapphire.
- MINISKIRT (Don McLain, R. 1967). Sdlg. 60021. BB, 22", E, VB1F. Medium violet-blue self. Blue Rhythm X Pierre Menard.
- *MINNESOTA GLITTERS (Bakke-Messer, TB, R. 1966). Riverdale 1967.

- MINT PARFAIT (Doris Foster, R. 1967). Sdlg. 66-2-2. Arilbred, 14", EM, W4YG. S. creamy white; F. chartreuse green with chocolate-brown brushings on upper part; green-gold beard. Brassie X (Imam Ahmid x Kalifa Gulnare) 22 x Ib-Mac. Tell 1967.
- *MISS RUFFLES (May B. Wright, BB, R. 1964). Tell and Stover 1967.
- MISS SALTILLO (Raymond S. Thomas, R. 1967). Sdlg. 3-66-1. TB, 35", M-L, Y4Wcm. S. white on inside and gold on outside, heavily laced edges; F. underside gold, outside pure white with precise 1/4" border of crepy lace of gold color around all petals, ruffled. Golden Sunshine X Golden Garland.
- MISS TASMANIA (Merton Calvert, R. 1967). TB, 36", M, W4Bcm. S. white; F. bright blue with white markings in center; white beard. Whole Cloth X Amigo.
- MISS TEENAGE (Emma Cook, R. 1967). Sdlg. 14359. TB, 35", M, R1P. Light rose-pink self. Sdlg. 18253 X June Meredith.
- MISTER (Ben R. Hager, R. 1967). Sdlg. T1776A. TB, 35", M, O5D. Deep cordovan brown. ((Hermit Thrush x (Savage x Dark Chocolate)) X Beattie sdlg. 55-44A.
- MISTER RHETT (Eugene Buckles, R. 1967). Sdlg. 63-21. TB, 34", M, Y1F. Golden yellow self. Techny Chimes X Riviera. HC 1967.
- MIST FALLS (Walter Marx Gardens, R. 1967). Sdlg. 133-2. Jap, 48", M, VB1L. Lavender-blue self. (Halls of Marble x 67-14) X (37-1 x 23-9).
- MISTY (Mrs. Peter C. Markham, R. 1967). Sdlg. 64-16A. TB, 34", M, V1L. Light lavender (Munsell 10PB 6/8) self; pale yellow beard tipped light lavender; very ruffled. Rippling Waters X Whole Cloth.
- MISTY GREEN (Frank A. Williams, R. 1967). Sdlg. E13. SDB, 12", Y5P. Pale yellow blend faintly tinted green. A12 (Desert Song x unknown) X M513 Welch yellow pumila.
- *MISTY HILLS (Margaret Beck, TB, R. 1966). Misty Hills 1967.
- MISTY MOONLIGHT (Dale Speer, R. 1967). Sdlg. CC5-007-65. TB, 36", EM, W4Y. S. cream white; F. light lemon yellow with darker hafts. Celestial Snow X Cream Crest.
- MISTY PARADISE (Mrs. F. Allen Brown, R. 1967). Sdlg. 61-107. TB, 36", M-L, V1P. Delicate pastel orchid self with pale creamy halo deep in throat, ruffled; pale orchid beard tipped cream. May Hall X sdlg. involving Fleeta x Berta B x Fair Luzon. HC 1966. Landsend 1967.
- MOLLY PRICE (F. W. Cassebeer, R. 1967). Sdlg. 956. TB, 32", M, B1L. Light blue self; ruffled and waved. Galilee X Concord River.
- MOLTEN FIRE (Margaret Beck, R. 1967). Sdlg. 64R3. TB, 38", ML, VR5L. Light rose blend, more coppery than yellow, with violet flush; heavy orange beard. Fusilier X (Allaglow x Brigadoon).
- *MONKEY BUSINESS (Scharff, BB, R. 1961). Vallette 1967.
- MONTALVO (Marion R. Walker, R. 1967). Sdlg. S-76-61. Spuria, 40", M, Y5F. S. deep yellow overlaid tan; F. deep yellow regularly veined tan. Morningtide X unknown.

- MONTEREY BAY (Hilda Fail, R. 1967). Sdlg. H-26. TB, 36", E, B1P. Wilson sea-blue self (Wilson 43/3); white beard tipped blue. Demetria X Henry Shaw. Hilda's 1967.
- MOONLIGHT AND ROSES (Neva Sexton, R. 1967). Sdlg. 58-61. TB, 36", M, Y1F. Yellow self with coral flush at base of S; coral beard; ruffled. New Frontier X (Mary Randall x Techny Chimes). Sexton 1967.
- MOONLIGHT WALTZ (Walter Marx, R. 1967). Sdlg. 107-1. Japanese, 36", E, V1Pcm. Orchid self with deeper veining. (62-6 x 63-4) X (62-6 x Blue Orchid).
- MOONLIT WAVES (David Lorenz, R. 1967). Sdlg. 65-100. TB, 36", M, B1L. Sky blue self; self beard; ruffled. Eleanor's Pride X Fleet Admiral.
- MORNING ECHOS (Mrs. F. Allen Brown, R. 1967). Sdlg. 61-26. TB, 36", M-L, O5F. Blending of old gold, rose-pink and cream; amber hafts; ruffled and fluted; tangerine beard. Marilyn C X (Glittering Amber x Valimar). Landsend 1967.
- MOUNTAIN MEADOW (David Lorenz, R. 1967). Sdlg. 65-3. TB, 36", M, W1GY. S. white, green midribs, domed and ruffled; F. same; ruffled and flaring. Frieda's Favorite X One Desire.
- *MOUNTAIN TOPS (H. Senior Fothergill, TB, R. 1966). Orpington 1967.
- *MUSIC HALL (Mrs. J. R. Hamblen, TB, R. 1966). Mission Bell 1967.
- *MY BLUE HEAVEN (Charles Wm. Voris, TB, R. 1966). Voris 1967.
- MY DREAM (Albert J. Motsch, R. 1967). Sdlg. 610. TB, 32", M, W4V. S. white; F. light orchid. Diploid border amoena X Twilite Sky.
- MYOWN JOY (Leda Mae Christlieb, R. 1967). Sdlg. 4DA55E7. Aril-bred, 19", E-M, RV3Fcm. S. full red-violet; F. deeper and brighter with dwarf-type spot; velvety; cream beard tipped yellow-orange. Garnet Treasure X Kalifa Hirfa. EC 1967.
- MYSTIC MAID (Alta M. Brown, R. 1967). Sdlg. M 1149-9. SDB, 14", E, VB4RO. S. smoky wisteria blue (Wilson 640/2), light tan midrib; F. rich red-brown in center, blending to tan at edges; light yellow beard and blended tan and blue style crest. Sky Baby X Bronze Babe.
- *MYSTIC MOOD (Joseph J. Ghio, TB, R. 1966). Bay View and Old Brook 1967.
- NAN ROGERS (Melvin Leavitt, R. 1967). Sdlg. Ex 2. TB, 38", M-L, B1F. Medium blue self. Bristol Gem X Cross Country.
- NATURAL POISE (Mrs. Katie S. Carstensen, R. 1967). Sdlg. C 12-63. TB, 36", E & L, V1P. Pearl gray self (Maerz & Paul). White ruffled sdlg. X Mary Pickford.
- NAVY DOLL (Alta M. Brown, R. 1967). Sdlg. D 622-12. MDB, 5", EE, W1Vcm. Ivory white self with large dark navy blue spot on F; cream beard. D 276-25 (Fairly Flax x Drop O'Blue) X D 210-2 (Wee Turque x Sulina).
- *NEBRASKA CENTENNIAL (Wolff-Hindenbrandt, BB, R. 1964). Hildenbrandt 1967.
- NEW HARMONY (Bryce Phenis, R. 1967). Sdlg. 64-90-E. TB, 32",

- M, Y3PF. S. cream; F. yellow with wide cream border. Moon-Crest X Touch of Elegance.
- *NEZ PERCE (Edward Christensen, TB, R. 1966). Eden Road 1967.
- *NIGHT HERON (James S. Tucker, TB, R. 1966). Southern Meadows 1967.
- *NIGHTSIDE (Schreiner's, TB, R. 1966). Schreiner's 1967.
- NIGHT WATCHMAN (Margaret Beck, R. 1967). Sdlg. 62-21. TB, 38", M-L, V1D. Dark violet self; S. heavily fluted; F. ruffled. 60A12 (Storm Warning x Sable Night) X (Black Taffeta x Sable Night).
- NINA AYRES (C. J. Blyth, R. 1967). TB, 36", ML, Y05P. Buff-cream self; laced. Happy Birthday X Rosemary Gair.
- NOBBY (Ruth A. Stephenson, R. 1967). Sdlg. 63-4B. SDB, 10", E, Y01Lcm. S. soft tan, bright yellow style arms, laced; F. soft tan with dark brown lines each side of lavender beard. Golden Fair X Knotty Pine.
- NO BOW WOW (H. H. Henkelman, R. 1967). TB, 34", M, Y01L. Apricot self. Temple Bells X Celestial Glory.
- NORDIC LIGHT (Kathryn Van Dexter, R. 1967). Sdlg. A-20. TB, 36", M, Y4Wcm. S. lemon, brilliant greenish yellow (Nicker-son 7.5Y 9/8); F. white with yellow at center; yellow beard. Arctic X New Snow.
- *NORFOLK MISS (Mrs. Nick Carstensen, TB, R. 1966). Nick's 1967.
- *NORTHERN SKY (Rev. Paul Folkers, TB, R. 1966). Foss 1967.
- *NUTMEG STATE (Frederick W. Gadd, TB, R. 1966). Wethersfield 1967.
- *OAK BROOK (Ann and Clarence Blocher, TB, R. 1964). Blocher 1964.
- *OASIS (Joseph Ghio, TB, R. 1965). Old Brook and Bay View 1967.
- OCEAN BREEZE (David Lorenz, R. 1967). Sdlg. 65-32-X. TB, 36", EM, BV1L. S. blue-lavender; F. same; self beard; ruffled and flaring. Amethyst Flame X Whole Cloth.
- OCEAN DEEP (Schreiner by W. Marx, selector, R. 1967). Sdlg. T1460-1. TB, 42", M, B1D. Deep blue self. Parentage unknown.
- *OCEAN SHORES (Gordon Plough, TB, R. 1966). Eden Road 1967.
- OCEAN VIEW (David Lorenz, R. 1967). Sdlg. 65-3. TB, 36", M, B1P. Clear blue-white self; ruffled and flared; self beard. Frieda's Favorite X One Desire.
- OH GEE (H. W. Neubert, R. 1967). Sdlg. 16-65B. TB, 34", E, V1P. Campanula violet (Wilson 37/3) self; hafts and center of falls paling to almost white. Lavish Lady X Rippling Waters.
- *OHIO DEB (Dangler, IB, R. 1963). Old Brook 1967.
- OLIVE CALVERT (Merton Calvert, R. 1967). TB, 36", M, V1D. Dark purple self; brown haft; dark beard. Black Hills X Chivalry.
- OLYMPIC KATE (Eugene Buckles, R. 1967). Sdlg. 63-60. BB, 22-26", M, Y5P. S. light cream yellow; F. pale yellow, edged darker. Olympic Torch X Leora Kate.

- ON HIGH (N. T. Willbanks, R. 1967). Sdlg. 448-1. TB, 54", M, W1. White self; light yellow beard; ruffled. Char-Maize X Whole Cloth. Willbanks 1967.
- *OP ART (W. B. Schortman, TB fancy, R. 1966). Schortman 1967.
- *ORANGE VISTA (Mayberry, TB, R. 1963). Tell 1967.
- *ORCHID CHERUB (Leona Mahood, MDB, R. 1966). Northwest Hybridizers 1967.
- *ORCHID OVATION (Edward Christenson, TB, R. 1966). Eden Road 1967.
- ORIENTAL TRACERY (C. A. Swearengen, R. 1967). Sdlg. 166. Jap, 40-44", E, V3Pcm. S. manganese violet edged in white; styles ultramarine violet; distinct dioxazine purple veins; F. cobalt light violet. Iro-no-Uye X Sea Fury. HC 1966. Swearengen 1967.
- OROVILLE (Marion R. Walker, R. 1967). Sdlg. S-110-61. Spuria, 42", M, Y1F. Deep canary yellow self. (Grace Perry Nies x Wadi Zem Zem) X El Camino.
- *ORPHAN ANNIE (Ruth Stephenson, Selector, MTB, R. 1966). Old Brook 1967.
- *OSKIE ROYAL (A. Bloodworth, TB re, R. 1965). Hi-Tor 1966.
- *OVER DUE (Noyd, TB, R. 1965). Noyd 1967.
- OXBLOOD RUBY (C. A. Swearengen, R. 1967). Sdlg. 400. Jap, 40", LM, RV1D. S. dark manganese violet; F. same; styles diluted near center. Sdlg. S-10 (red single) X Vestal Trident. Swearengen 1967.
- PACIFICA (Jeannette W. Nelson, R. 1967). Sdlg. 66-25-1. TB, 36", EML, B3P. S. light blue (Wilson 642/2) shading to 642/1 at base; closed and ruffled; F. lighter (642/3); ruffled; 642/1 at haft; beard tipped light blue. Sdlg. 62-58-1 (Demetria x French Flair) X High Above.
- PACIFIC CHARMER (George Stambach, R. 1967). Sdlg. 3-60. California native, 26-27", LM, W1Y. White self with few yellow lines in haft. Agnes James X yellow hybrid sdlg.
- *PACIFIC SANDS (Gordon Plough, TB, R. 1966). Eden Road 1967.
- PAINTED ANGEL (Gordon W. Plough, R. 1967). Sdlg. 62-55-2. TB, 30", ML, Y4W. S. empire yellow (Wilson 603/3), blended in center, peach (512/3); F. white with clean cadmium orange hafts a little lighter than (8/1); beard heavy and prominent saturn red (13/1). Startling X Luxury Line.
- *PALE WINGS (Jean G. Witt, MTB, R. 1966). Northwest Hybridizers 1967.
- PALO DUROS (Chet W. Tompkins, R. 1967). TB, 36", M-VL, R1D. Dark red self; flaring. ((Mile Post x Checkmate) x Comanchero sib)) X Tonalea. Fleur de Lis 1967.
- PAMOOSA (Tom Craig, R. 1967). Sdlg. R64-101. TB, 36", M, O5Dcm. S. Rembrandt brown to umber; F. similar but richer and clearer with henna blending and bright violet blaze. (Poway x sib) X Nuez. Craig 1967.
- PAPER CITY (Mrs. J. W. Berndt, R. 1967). Sdlg. 2-37-4. TB, 36", M, W1W. White self; heavy gold-yellow beard; ruffled. Arctic Flame X Swan Ballet.

- PARCHMENT PLUM (David B. Sindt, R. 1967). Sdlg. E700. SDB, 12", E, OY4RVcm. S. soft light tan; F. large well-defined red-violet spot, broadly edged light tan; yellow beard. Inca Chief X Sulina.
- PATCH OF BLUE (Tim Craig, R. 1967). SDB, 10", EE, B1Fcm. S. flaxflower blue; F. same with deep canterberry signal spot. Steeplechase x Bob's Blue X 128 dwarf. Craig 1967.
- PAT IN BLUE (Tom Craig, R. 1967). Sdlg. W66-1. TB, 28", M, B1P. French blue self, ruffled. Patricia Craig X ((Steeplechase x (Snow Flurry x Bob's Blue sdlg.) x Frieda's Favorite)). Craig 1967.
- *PATSY JO (Kavan, MDB, R. 1962). Melrose 1967.
- PAULINE M. RICE (Ernest G. B. Luscombe, R. 1967). Sdlg. 21/4/66. TB, 36", M, RV4ROcm. S. deep mulberry rose; F. bright reddish copper with small violet flare in center; brilliant orange-gold beard. Hermit Thrush X Scimitar.
- *PEACH BEAUTY (Mattie Reinhardt, TB, R. 1966). Reinhardt 1967.
- PEARLS AND LACE (Charles Wm. Voris, R. 1967). Sdlg. CGV 66-10. TB, 36-38", M, Y5D. Pearlescent russet self; lace edges. C. G. Voris X Rodney W. Burns.
- PEARLY WATERS (Chet W. Tompkins, R. 1967). TB, 40", M-VL, W1B. Silver-white self with faint milky tint; blue beard. Mountain Music X High Above. Fleur de Lis 1967.
- *PEN PAL (Leona Mahood, MTB, R. 1966). Northwest Hybridizers 1967.
- PENTHOUSE (Joseph J. Ghio, R. 1967). Sdlg. 62-193-1. TB, 36", EM, B3PF. S. pale blue; F. medium to dark blue with reddish cast. ((Chivalry x Spanish Peaks) x Frosted Starlight)) X Mount Eden.
- PEPPER WINE (Schreiners by W. Marx, selector, R. 1967). Sdlg. RH 60. TB, 48", M, W2RV. S. burgundy red; F. white edged burgundy red. R 160 plicata X Lucy Lee.
- *PERSIAN MARKET (Doris Foster, Arilbred, R. 1964). Tell 1967.
- PERSIAN ROYAL (G. A. Timbs, R. 1967). Sdlg. 310-2. Arilbred, 15", EM, RV5Lcm. S. medium lavender-pink; F. same with minute dots of ruddy color giving rosy-brown effect; pale beard tipped brown; suggestion of signal spot at tip of beard. Sdlg. 541 ((Matula x Buffawn) x Pink Formal)) x (Paradise Pink) X King Henry.
- *PETIT POINT PINK (D. Foster, Arilbred, R. 1965). Tell 1967.
- PICORA'S DAUGHTER (Cora May Pickard, R. 1967). Sdlg. C-4622-A. TB, 36", EM, O1P. Soft clear pink self; laced and ruffled; closed falls over flaring S. Picora Pink x Esther Fay. HC 1967.
- PICTURE PERFECT (Mark E. Rogers, R. 1967). Sdlg. 63-L-8-B. TB, 33", M-ML, O3YOP. S. near peach (Wilson 512/2); F. peach shade of cadmium orange (8/3), slightly lighter area surrounding nastursium red beard (14/1). September Song X Celestial Glory.
- *PINK AMBER (Earl Roberts, SDB, R. 1966). Roberts 1967.
- *PINK CUSHION (Alta Brown, SDB, R. 1966). Brown's Iris Gardens 1967.

- *PINK DARLING (Alta Brown, BB, R. 1966). Brown's Iris Gardens 1967.
- *PINK DIVINITY (Esther F. Tams, TB, R. 1966). Tell 1967.
- *PINK DUET (R. G. Smith, TB & re, R. 1965). R. Smith 1967.
- *PINK FRINGE (Nathan H. Rudolph, TB, R. 1966). Moldovan 1967.
- PINK HORIZON (Schreiner's, R. 1967). Sdlg. Y 1322-A. TB, 40", M, O1P. Evenly colored flamingo pink self including beard. Court Ballet X P 101-3 (Pink Fulfillment x May Hall).
- PINK TAILOR (C. J. Blyth, R. 1967). TB, 38-40", ML, RO1P. S. flesh pink; F. same; tangerine beard. White sdlg. (Pierre Menard x Happy Birthday) X Mary Randall.
- *PINK WHISTLE (L. R. Smith, TB, R. 1966). Riverdale 1967.
- PIPPA PASSES (Ruth A. Stephenson, R. 1967). Sdlg. 63-4A. SDB, 10", E, Y1F. Chrome yellow self, ruffled; white patch around beard with mustard lines; laced style arms. Golden Fair X Knotty Pine.
- PITTI SING (Beatrice A. Warburton, R. 1967). Sdlg. 46GH-4. SDB, 14", E-M, V1P. Lavender-blue self (RHS 91C). Snow Flurry X pumila sdlg. AM-J (April Morn x unknown).
- *PIXAVAR (Earl Roberts, MTB, R. 1966). Roberts 1967.
- PIXIE CARNIVAL (B. F. Blyth, R. 1967). Arilbred median, 12-14", VEE, Y1cm. S. yellow, flecked red; F. yellow, red signal. (Pogo x Pogo) X arilbred sdlg.
- PIXIE MELODY (B. F. Blyth, R. 1967). Arilbred median, 10-12", VEE, W4Ycm. S. white; F. yellow; red-brown signal. (Pogo x Pogo) X arilbred sdlg.
- PIXIE PEOPLE (Mrs. John F. Hardy, R. 1967). I. innominata, 11", RV1. Red-violet self; tiny, round, flat, wide-petaled. Collected.
- *PLATINUM GOLD (Earl Roberts, SDB, R. 1964). Roberts and Tell 1967.
- *PLICUTIE (Alta Brown, SDB, R. 1966). Brown's Iris Gardens 1967.
- PLUM BIG (Tim Craig, R. 1967). Sdlg. 185. TB, 40", ME, RV1D. S. plum, sepia at base; F. plum, warmer hafts, violet iridescence. Mary McClellan X Adam. Craig 1967.
- PLUM DANCER (Harry Hite, R. 1967). Sdlg. 11F. TB, 34", M, VR1D. Plum-red self with no brown. (Pretender x Technicolor) X Garnet Royal.
- PLUMED BEAUTY (C. A. Swearengen, R. 1967). Sdlg. 128. Jap double, 38", EM, RV3cm. Light dioxazime purple; veins and styles medium dioxazime purple; stamen generally converted into small plume-like petals. Sea Fury X Royal Tiger. Swearengen 1967.
- POCONO HAVEN (Cloyd F. Sensenbach, R. 1967). Sdlg. 6111. Jap, 42", M, B1Fcm. Six petals uniformly white on blue ground; styles uniform plum with lighter edging; conspicuous yellow arrow; horizontal petals with slight arch. From unnumbered sdls.
- POGO DOLL (Leda Mae Christlieb, R. 1967). Sdlg. 4DA61B7. Arilbred, 16", E-M, V4Ycm. S. grayed lavender; F. ochre, edged

- gold, brown line halo around amber beard, tipped wine; blue shadow signal. Pogo X Kalifa Hirfa.
- POINT CLEAR (Cora May Pickard, R. 1967). Sdlg. C-264. TB, 36", ML, 01P. Bright clear pink self; ruffled. Liltling Melody X Picora Pink. HC 1967.
- POLKA DOLL (Margaret Beck, R. 1967). Sdlg. 61X24. TB, 36", E-M-L, W2V. Light violet and white plicata; fluted and ruffled; very fragrant. Bluebird Blue X (Gibson Girl x Royal Band).
- POMOLITA (Maynard C. Knopf, R. 1967). Sdlg. 64-36. TB, 34", EM, V1P. Lavender self. El Camino Real X Orchid Jewel. HC 1967. Knopf 1967.
- *POWER AND GLORY (Luella Noyd, TB, R. 1966). Noyd 1967.
- *PREAMBLE (Keith Keppel, IB & re, R. 1966). Keppel 1967.
- PRECIOUS ONE (Grace F. Guenther, R. 1967). Sdlg. K-5-1. SDB, 14 $\frac{1}{2}$ ", ML, 01P. Shell pink self (Wilson 516/3); beard pink tipped tangerine. Lipstick X F₃ of E-21-1 (Dolly Vardon x Nana).
- *PRETTY ONE (H. W. Neubert, TB, R. 1966). Neubert 1967.
- PRETTY PERSEVERANCE (Sue N. McLane, R. 1967). Sdlg. 0287J1. BB, 23", M, OY2 fancy. S. old gold; F. old gold, lined and speckled white and brown on top half; bottom half streaked red and gold; gold stripe length of rib. Ola Kala X Golden Hind.
- PRIMROSE LACE (Gladys Saxton, R. 1967). Sdlg. 64JI. TB, 40", M, Y1L. Primrose yellow self; frilled and laced. Limelight X 61A4 (Rose of Tralee x Limelight).
- PRINCE REGENT (Schreiner's; selector, Marx Gardens, R. 1967). Sdlg. T447-1. TB, 34", EM, RV1. Purple self. R578-C (Violet Harmony x Midnight Blue) X P 628-1 (((L 519-A ((F 127-1 (Ethiop Queen x Gulf Stream))) x After Midnight) x Storm Warning)) x King's Choice))).
- PRINCESS KAREN (Paul Brink, R. 1967). Sdlg. 65-2. TB, 36", M, BV1Lcm. S. light lavender, edged beige, ruffled and laced; F. same; yellow beard. (Edith Pope x Fleeta) X Rippling Waters.
- PUNCHLINE (Gordon W. Plough, R. 1967). Sdlg. 62-60-26. TB, 34", EML, V3DL. S. blended plum brown; F. campanula violet (Wilson 37/2) with wide (3/8" at tip) border of rich reddish brown; hafts are yellow tan; rich orangy yellow beard. Kachina Doll sib X Serene Serenade.
- PUPPET SHOW (Steve C. Moldovan, R. 1967). Sdlg. 66-22. BB, 18", M, W3. S. white, extremely ruffled; F. blue-white, large diffused green overlay; extremely ruffled; white beard. Henry Shaw X Sterling Silver.
- PURPLE VEIL (Horace A. Wright, R. 1967). Sdlg. 6201. TB, 36", M, W2V. White ground plicata with purple stitching; orange beard. Matterhorn X Tiffany. Hall 1967.
- *PUSSYCAT (Hazel Schmelzer, MDB, R. 1966). Schmelzer 1967.
- QUAIL (Lawrence E. Craig by R. Young, Selector, R. 1967). Sdlg. 423. SDB, 10", M, W20. S. rich golden brown; F. white ground, sharp warm brown stitching to white center of petal; dark gold beard. Pee Wee X Craig 423 (unknown parentage). Young 1967.

- QUEEN'S DELIGHT (Eva Smith, R. 1967). Sdlg. 64-594. TB, 36", M, Y3Pcm. S. creamy yellow; F. ivory bordered yellow; yellow beard. ((Pastella x (Collegiate x Carmela)) X ((Idaho Gold x Celestial Snow) x Ivory Gown)).
- QUETTA (Gordon W. Plough, R. 1967). Sdlg. 62-189-24. TB, 34", EML, W2BV. S. white with blended border lightly stitched veronica violet (639/2), darker hairline petal edging; F. white, solidly colored hafts heliotrope (636/1), petals lightly edged same color part way down with dark wire edging; blue beard tipped white; yellow in throat. Sib to Viet Nam X Tea Apron.
- QUIET CREAM (Walker Ferguson, R. 1967). Sdlg. 67-10. Spuria, 50", M, Y1P. Light cream self; no apparent signal. Windfall X Yellow Wings.
- QUIET NIGHT (Paul H. Cook by Emma Cook, R. 1967). Sdlg. 2564. TB, 38", M, V1DD. Blackish violet to black self. Ecstatic Night X Black Swan.
- *RADIANT DAWN (Emma Cook, TB, R. 1966). Cook 1967.
- RADIANT SUN (Mrs. J. R. Hamblen, R. 1967). Sdlg. H61-109. TB, 36", M, Y1. S. deep yellow (Wilson buttercup yellow 5/1); F. yellow, lightening in center; tangerine-orange beard. (Valimar sib x Graduation Gift) X (Valimar sib x G. Amber sib) x Gaulter's 57-44 (Frances Kent x Temple Bells). HC 1967.
- *RAIN FOREST (Gordon Plough, TB, R. 1966). Eden Road 1967.
- RAIN POOL (Bennett C. Jones, R. 1967). Sdlg. B40-2. BB, 27", M, B1L. Light blue self; intense fragrance. Botany Bay X sib.
- RALLY CALL (Opal L. Brown, R. 1967). Sdlg. 5-16D34. TB, 36", M, W4B. S. white; F. light blue; red beard. 3-12C14 (Lipstick x Country Cuzzin) x Bright Cloud X 3-5E4 (involves blue and pink breeding).
- RARE TREASURE (Eva Smith, R. 1967). Sdlg. 64-704. TB, 34", LM, V1Fcm. Bright violet self with white blaze on F; tangerine beard. Rippling Waters X Lovely Letty.
- *RASPBERRY FLIP (Alta Brown, IB, R. 1966). Brown's Iris Gardens 1967.
- RASPBERRY RIPPLES (O. D. Niswonger, R. 1967). Sdlg. 4-66. TB, 36", M, RV1D. Deep rose-purple (Mulberry) self. (Pink Fullment x Orchid Jewel) X Rippling Waters.
- READY (Tim Craig, R. 1967). Sdlg. 93. IB, 18", E, R3. S. wild cherry; F. rose ebony; ruby-blue beard. Red Admiral X Black Baby. Craig 1967.
- REBECCA LYNN (Harry M. Hanna, R. 1967). Sdlg. 0629. TB, 33", M-L, Y4Wcm. S. brilliant yellow (Munsell 4.5Y 9/9); F. white with 3/8" ribbon around edge same color as S; matching beard and haft. Frances Kent X (Winter Carnival x Limelight).
- *REBECCA TOWNE (Towne R. Abercrombie, TB, R. 1966). Abercrombie 1967.
- RED BABY (Tim Craig, R. 1967). Sdlg. 1-93-B. SDB, 12", E, R1D. Rose ebony-red self. (R1-61 x Bang) X Black Baby. Craig 1967.
- RED CHARGER (Walter Marx Gardens, R. 1967). Sdlg. 16-4. Jap,

- 48", M-L, RV1. Red-purple self. (16-1 x 13-5) X 65-9.
- *REDENYELLA (Cora May Pickard, BB, R. 1966). Pickard 1967.
- RED GUARD (Bernard L. Hamner, R. 1967). Sdlg. 65-112 X 173. TB, 40", E, VR5. S. violet-red blend, domed and upright; F. horizontal ruffled violet-red with blue infusion in center below yellow-brown tipped beard. Pretty Redwings X Martel.
- *RED HEART (Alta Brown, SDB, R. 1966). Brown's Iris Gardens 1967.
- RED PIXIE (Alta M. Brown, R. 1967). Sdlg. D 722-4. MDB, 5-6", EE, R1Dcm. Rose-red self with large dark ruby-red thumbprint on F; lavender beard. Red-Lilli X Albino Doll.
- RED POLISH (Tom Craig, R. 1967). TB, 36", E-ML, R3D. Sdlg. R66-7. S. very deep grayed crimson; F. similar but deeper, clearer, more intense. Adam X(((Ruth Couffer x Sable Night) x (((Bang sib x Technicolor)) x ((Conquistador x Moa) x Destiny) x Crimson Tide))). Craig 1967.
- RED PROFUSION (Frances F. Craig, R. 1967). Sdlg. F 66-1. TB, 36", E, R1Dcm. S. red; F. red blazed violet. (Bang sib x Firebright) X Rage. Craig 1967.
- *REDWOOD EMBERS (Eugene Blodgett, TB, R. 1966). Blodgett 1967.
- REGAL MANNER (D. W. McLain, R. 1967). Sdlg. 63271. TB, 36", ML, VB1P. Sky gray-blue self; tailored. Sweet Alice Lee X (New Snow x Cloudcap).
- *REGARDS (Ben R. Hager, SDB, R. 1966). Melrose 1967.
- *RESTLESS WAVES (C. W. Tompkins, TB, R. 1966). Fleur de Lis 1967.
- RIBBONS OF BLUE (Gordon W. Plough, R. 1967). Sdlg. 62-184-2. TB, 36", ML, W40Dcm. S. white ground blending to border between flax blue (Wilson 642) and veronica violet (639); F. almost solidly colored dark brown; hafts color of S. but darker; styles butterscotch striped mallow; off-white beard, each hair tipped orange in throat. (Saigon sib x Dutch Doll) X sib.
- RICHWOODS (Herbert S. Schafer, R. 1967). Sdlg. 2-06A. TB, 28-30", M-L, OY4V. S. butterscotch with light infusion of lavender; F. lavender-violet blend; orange beard; ruffled and laced. Pink Plume X Lavendula. RTG 9 Award 1967.
- *RING BEARER (Paul Cook by E. Cook, MTB, R. 1966). Cook 1967.
- *RIPPLED GOLD (Doris Foster, TB, R. 1964). Tell 1967.
- *RIPPLING WAVES (Robert Reinhardt, TB, R. 1966). Reinhardt 1967.
- *ROBERTA JANE (Voriss, TB, R. 1965). Voriss 1967.
- *ROBIN REDBREAST (Ferris D. Gaskill, TB, R. 1966). Greenbrier 1967.
- *ROCK MOUNTAIN (Maynard Knopf, TB, R. 1965). Knopf 1967.
- RODNEY ALLEN BURNS (Harvey R. Burns, R. 1967). Sdlg. 65-48. TB, 36", M, Y4Wcm. S. lemon yellow (Wilson 4/1); fringed edges; F. white shoulders, fringed lemon yellow. (Frost and Flame x Whirlaway) X Lucky Lady.
- ROLLING WAVES (Edward N. Christensen, R. 1967). Sdlg. 4B4-1. TB, 34", M, V3PL. S. light orchid; F. darker orchid; orange beard, white tip. (((Melodrama x Violet Victory) x ((Inca

Chief x Lockwood) x Huntsman x Quadrille))) X Amigo's
Guitar.

*RONALD DEAN (Wolff-Hildenbrandt, TB, R. 1965). Hildenbrandt
1967.

*ROSALINDA (L. Howland, TB, R. 1967). Heritage 1967.

ROSEGAY (Alean B. Kemp, R. 1967). Sdlg. K-675. MTB, 22", M,
Y4RV. S. cadmium yellow; F. magenta. Sisken X Nambe.

ROSE HARMONY (Alta M. Brown, R. 1967). Sdlg. M 1060-11. IB,
20", E, RV3LF. S. orchid rose (Wilson 31/2); F. pansy violet
(033), lighter at edges; wisteria blue beard. TB sdlg. 57-77-
10 involving ((Snow Flurry x Pretty Quadroon) x Dark Choco-
late)) X Rosy Treasure.

ROSE MORN (Cloyd F. Sensenbach, R. 1967). Sdlg. 6022. Jap, 52",
M, RV1L. All six petals uniform rosy purple; styles lighter
cast; petals slightly arched, then pendulous. Derived from
orchid and white sdls.

ROYAL BELLE (Bernard Hamner, R. 1967). Sdlg. 65-15 X 83. TB,
40", M, W2V. Petunia purple white ground plicata; S. heavy
petunia purple; broad petunia purple band on F; stitched and
stippled haft area below white lemon-tipped beard; ruffled.
Rococo X Small Talk.

ROYAL CANYON (James R. Allen, R. 1967). Sdlg. D170. TB, 44",
E-M, BV1F. S. medium deep blue-violet; F. same, slightly
darker than S. Violet Harmony X Mary McClellan.

ROYAL DREAM (Harry O. Hite, R. 1967). Sdlg. 65-F. TB, 32", M,
RV3. Tailored purple bitone with flaring falls. ((Tournam-
ent x Pale Primrose) x Lapham red sdlg.) X (Criterion x un-
known).

ROYAL FAIRY (Alta M. Brown, R. 1967). Sdlg. M 879-5. SDB, 14-
15", E, V1D. S. deep red-violet (Wilson royal purple 834);
F. darker royal purple slightly lighter border; wide light
violet beard. Royal Contrast X Dark Fairy.

ROYAL FASCINATION (Schreiners; selector, Marx Gardens, R. 1967).
Sdlg. T 1503-2. TB, 35", ML, Y4ROD. Variegata; S. yellow; F.
red-brown. Unknown parentage.

ROYAL GUARD (O. T. Baker, R. 1967). Sdlg. 62-76. TB, 34", EML,
R1D. Dark red (Munsel 2.5R 3/7) self. Percussion X sdls.
involving Centurion, Wayward Wind, and Rich Raiment.

ROYAL HERITAGE (Walt Luihn, R. 1967). Sdlg. 65-15. TB, 36",
EM, V1F. Rich violet self; self beard. (Mary McClellan x
Allegiance) X self.

*ROYAL THRUSH (Earl Roberts, MTB, R. 1966). Roberts 1967.

*ROYAL TOUCH (Schreiner's, TB, R. 1966). Schreiner's 1967.

RUBY WINE (Ben R. Hager, R. 1967). Sdlg. SB1. Siberian, 36",
M, RV1F. Rosy wine self with large white half circle signal
marked brown. Towanda Red Flare X Red Emperor.

RUFFLED LAVENDER (Kareen Blankenship, R. 1967). Sdlg. 1-64. TB,
40", M, V3PLcm. S. light lavender, ruffled; F. darker lav-
ender with a 1/4" white border, underside of F. same shade as
S; white line down center of F; yellow beard. Snow Goddess X
Violet Harmony.

RUFFLED LILAC (Walter Marx, R. 1967). Sdlg. 111-1. Japanese,

- 48", M, V1. Deep orchid self; styles dark purple. (110-7 x Tinted Cloud) X Blue Orchid.
- RUFFLED MAHOGANY (Mrs. Katie S. Carstensen, R. 1967). Sdlg. C 19-62. TB, 34", M, OR1D. S. mahogany; F. solid mahogany, velvety, clean haft, matched beard. Huntsman X Night Shadow.
- *RUSHING WATERS (Mattie Reinhardt, TB, R. 1966). Reinhardt 1967.
- RUSSET FRILLES (Gladys Saxton, R. 1967). Sdlg. 64N. TB, 34", M, Y20R. S. yellow ground edged and marked reddish brown; F. same with white blaze at end of beard on yellow ground. Fire-cracker X unknown.
- *SACRED MOUNTAIN (Caroline De Forest, TB, R. 1965). Irisnoll 1967.
- SALAAM (N. T. Willbanks, R. 1967). Sdlg. 406-2. Arilbred, 32", E, V4Ycm. S. lilac with deeper lilac veining; F. old gold washed with deep purplish red; deep purplish red signal. Imam Ahmid X Kalifa Baltis. Willbanks 1967.
- SALPHIDE (Roy Brizendine, R. 1967). Sdlg. B-9-64. Arilbred, 20", E, W4Y. S. white; F. light yellow; brown signal. RC Sylphide X Imam Salah. Aril Society 1967.
- SAMOAN HOLIDAY (Dr. J. R. Durrance by E. Long, Selector, R. 1967). Sdlg. D63-9C. TB, 36", M, B1P. Light blue self; olive hafts; blue tipped beard. Lynn Reid X Cook sdlg. 4251. Long 1967.
- SANCTUS (Neil A. Mogensen, R. 1967). Sdlg. I-240B-30. TB, 30", E-M-L, O1P. Medium pink self; self beard to deeper in throat. Suiter sdlg. (Peggy x Pink Enchantment) X Fleeta.
- *SAPPHIRE FUZZ (O. D. Niswonger, TB, R. 1966). Cape Iris 1967.
- SAPPHIRE VALLEY (Gladys Saxton, R. 1967). Sdlg. 64C. TB, 48", M, B1F. Full blue self. Blue Valley X Blue Sapphire.
- SARACEN JEWEL (Mark E. Rogers, R. 1967). Sdlg. 64-17-A. Arilbred, 30", E, RV3cm. S. maroonish rose with darker veining, yellowish midrib; F. yellow completely overlaid maroon (yellow showing only as a glow); darker signal area surrounding very dark brown beard; style arms yellowish amber. Tawny Empress X Kalifa Baltis.
- SARACEN PRINCE (Mark E. Rogers, R. 1967). Sdlg. 64-17-B. Arilbred, 30", E, BV4Y0cm. S. lavender, yellowish infusion up midrib, some yellowish color in veining; F. amber buff, lightly overlaid maroon, which lightens toward edge; dark wine signal around tip of wide brown tipped bronze beard; amber style arms; falls recurved. Tawny Empress X Kalifa Baltis. HC 1967.
- SARACEN SPLENDOR (Mark E. Rogers, R. 1967). Sdlg. 64-16-A. Arilbred, 24", E, Y3cm. S. tightly domed and globular, bright clear yellow; midrib slightly darker; F. recurved, slightly darker than S; large wine signal set off by lighter area surrounding it; gold beard; style arms golden yellow. Kalifa Baltis X Imam Salah.
- SARACEN WARRIOR (Mark E. Rogers, R. 1967). Sdlg. 64-20. Arilbred, 33", E, V4Wcm. S. violet, heavily veined darker; F. white underground, heavily veined and dotted dark violet at

- haft, becoming solid overlay on lower portion, almost black in area below beard; dark violet-brown beard on white; style arms violet. Tawny Empress X. H. Tate sdlg. (Beisan Aga x Joppa Parrot).
- *SARKSTONE (C. C. Hall, TB, R. 1962). Orpington 1967.
- SAUCY SUE (J. M. Gibson, R. 1967). Sdlg. 67-2 PE. TB, 36", M, 04Rcm. S. light brown, flushed red; F. garnet with brown rim. Sdlg. 49-OPD X 50-OP.
- SAUSALITO (David Lorenz, R. 1967). Sdlg. 64-2-A. TB, 34", E-M, Y01L. Clean apricot self; wide tangerine beard; ruffled. Real Delight X Waxing Moon.
- SAVORY (Robert L. Dunn, R. 1967). Sdlg. 62-25. TB, 36", M-L, 02VR. S. solid light garnet brown; F. dahlia purple on cream ground; brown beard. My Honeycomb X Plicadilly. HC 1966.
- SEANCE (Joseph J. Ghio, R. 1967). Sdlg. 64-252-0. TB, 36", ML, BV3L. S. blue-lavender; F. same with reddish cast. Sterling Silver X Twilight Sonata.
- SEASIDE (Opal Brown, R. 1967). Sdlg. 3-1C12. TB, 36", M, B1P. Light blue self (between flax blue 642/3 and bluebird blue 42/3); light yellow beard tipped blue. Winter Olympics X Galilee. Brown's Sunnyhill Gardens 1967.
- SEA SORROW (Carleton G. MacLean, deceased, by Mrs. MacLean, R. 1967). Sdlg. M65-C12. TB, 36", ML, V1DD. Black-violet self; ruffled and velvety; brown beard, tipped violet. Black Taffeta X Sable Night.
- *SEEING RED (W. B. Schortman, TB, R. 1966). Schortman 1967.
- SENTIMENTAL (Doris Foster, R. 1967). Sdlg. 64-22-1. Arilbred, 25", E-M, W4YP. S. white, ruffled; F. cream ground, rose and blue overlay, ruffled and flaring. (Snow Goddess x MG26-5) X Aril Beauty.
- *SEPTEMBER BOUQUET (G. Percy Brown, TB & re, R. 1966). Brown's Everblooming Iris Garden and Old Brook 1967.
- *SEPTEMBER BUTTERFLY (G. Percy Brown, TB & re, R. 1966). Brown's Everblooming Iris Gardens 1967.
- SERGEANT CAMPOS (Charles Wm. Voris, R. 1966). Sdlg. 66-2. TB, 36-38", M-L, RV1L. Mauve self with orange beard; pleated. Maid of Astolat X Ice Cavern.
- SERPENT (Tim Craig, R. 1967). Sdlg. B4R5. Arilbred, 30", E, BG5. S. arctic blue; F. serapi blue-green. Mary McClellan X Craig #3 onco. Craig 1967.
- *SHADOW WAVE (Reuben T. Smith, TB, R. 1966). Kool Acres 1967.
- SHINE BRITE (Horace A. Wright, R. 1967). Sdlg. 5866. TB, 32", M, Y1L. Light yellow self; yellow beard, ruffled. Easter Bonnet X Easter Bonnet. Hall's Flower Garden 1967.
- SHIRLEY SPURR (Joseph A. Gatty, R. 1967). Sdlg. 63-1. TB, 30", M, Y4W. S. dresden yellow; F. white; yellow beard. Sdlg. 57-1 (sib to Friendship) X Phoebus Apollo. HC 1966. Gatty 1967.
- *SHORT STORY (Keith Keppel, TB, R. 1966). Keppel 1967.
- SIERRA FAWN (Leo Clark by David Lorenz, R. 1967). Sdlg. 62-C-4-#6. Arilbred, 24", EM, Y5L. Blend of cream and gold; dark

- signals; golden-tan beard and styles. I. susiana X Wilkes' (Jallah Effendi x Kalifa Baltis). Sierra View 1967.
- SIERRA SPRING (Leo T. Clark by David Lorenz, R. 1967). TB, 34-36", EM, W1Ycm. S. creamy white; F. same with clean lemon yellow hafts and thin wire edging of lemon; ruffled. Kerr 57-6 X Gay Paree.
- SILVER SANDS (Chet W. Tompkins, R. 1967). TB, 36", M-L, W40. Amoena; S. silvery white; F. sand pink. (Hardy sdlg. x Schreiner sdlg.) X sdlg. from long inbred line of Clarion Call. Fleur de Lis 1967.
- SILVERSMITH (Dr. C. M. Stults, R. 1967). TB, 36", M, B1P. S. silvery blue; F. same with virtually no markings. Distance X Azure Skies.
- *SILVER WEB (Frederick Gadd, Arilbred, R. 1964). Wethersfield 1967.
- SINABAR (Gerhard A. Carlson, R. 1967). Sdlg. M 63-18-A. TB, 42", ML, V5D. S. blend of violet, rose and brown; nicely ruffled; F. cobalt violet (Wilson 634/1), rich tan brown hafts; edges of F. blend from violet to dark brown; lightly ruffled; mustard beard tipped lavender. (Inv. Blue Glow, Granada, Ruffled Apache) X (Inv. Blue Glow, Ruffled Apache, Tistops, etc.)
- *SINGING PINES (Gordon Plough, TB, R. 1966). Eden Road 1967.
- SINGING SWORD (Richard S. Rosenfels, R. 1967). Sdlg. 6015-1. SDB, 11", M, W4Ycm. S. warm white with yellow influence at base; F. golden yellow with 1/4" margin color of S; white beard. Sunlit Charm X sib.
- SISKIYOU TRAIL (Mrs. John F. Hardy, R. 1967). I. innominata, 15", V1L. Light violet self; huge flower. Collected.
- *SKY HARBOR (James E. Marsh, TB, R. 1966). Marsh 1967.
- SKYVIEW (Opal L. Brown, R. 1967). Sdlg. 3-1C30. TB, 38-40", M, B1L. Gentician blue self (42/3 to 42/2); beard cream. Winter Olympics X Galilee.
- SLUMBER PARTY (Beatrice A. Warburton, R. 1967). Sdlg. 54D321. SDB, 12", M, V1D. S. RHS 83A (violet group); F. RHS 79A, velvet spot, matching beard. Derring-Do X Black Baby.
- SNOW HAVEN (Cloyd F. Sensenbach, R. 1967). Sdlg. 5051. Jap, 38", M, W1. White self with occasional 1/16" blue rim around inner three petals; three white "spears" 2" to 3" high from center; petals overlapping. Derived from several generations of sdls; originally from Gold Bound and Violet Beauty.
- *SNOWY MAJESTY (Vallette, TB, R. 1965). Vallette 1967.
- *SOMBRERO BLANCO (Tolman, TB, R. 1964). Tell 1967.
- SONG FEST (Mable Framke, R. 1967). TB, 39", M-VVL, Y4V. S. cream-buff; F. powder blue and lilac blended; creamy lemon beard. Sudden Spring X Lilac Champagne. Fleur de Lis 1967.
- SON OF PALOMINO (Gladys Saxton, R. 1967). Sdlg. 64GI. TB, 40", M, OY5P. Egyptian buff (407/2) with haft of Naples yellow (403); burnt orange beard. June Bride X Palomino.
- SOUTHERN HERITAGE (Mrs. F. Allen Brown, R. 1967). Sdlg. 61-101. TB, 35", M-L, O5L. Delicate blending of apricot and amber; ruffled; apricot beard tipped cream. Jan Elizabeth X (Point

- Lace x Valimar). HC 1966. Landsend Gardens 1967.
- *SOUTHERN HOSPITALITY (William T. Bledsoe, TB, R. 1966). Bledsoe 1967.
- *SPACE MASTER (Paul H. Cook by E. Cook, TB, R. 1966). Cook 1967.
- SPACE SHIP (Dr. Frederick J. Knocke, R. 1967). Sdlg. K 52. TB, 44", M, W2B. White with lavender-blue stitching on edges, deep blue beard, heavily ruffled. Rococo X Snow Tracery. HC 1966. Young and Tell 1967.
- SPARKLING CLOUD (David B. Sindt, R. 1967). Sdlg. C702. SDB, 12", E, V5Pcm. Smooth blend of light blue-lavender and light tan, grayish effect; self beard; blue-lavender wash around beard. Inca Chief X Sulina.
- SPARKLING ROSE (Ben R. Hager, R. 1967). Sdlg. SB2. Siberian, 38", M, RV1Lcm. Rose mauve self; veined signal tip flash of blue. Towanda Red Flare X Eric the Red.
- SPARKLING SNOW (Dr. Charles E. Branch by Robert Young, selector, R. 1967). Sdlg. 6229. TB, 32", ML, W1W. White self, wide and ruffled; bright orange-yellow beard. Lavendula x ((First Affection x Azure Skies) x White Sentry)) x (((Great Lakes x Winter Carnival) x sib)) x Lipstick))) X Lipstick. Young 1967.
- SPECKLES (Beatrice A. Warburton, R. 1967). Sdlg. 17IJ-2. SDB, 12", M, Y20. S. yellow ground lightly washed brown; F. yellow ground speckled brown, yellow effect. Knotty Pine X Truce.
- SPICED COFFEE (John Holden, R. 1967). Sdlg. Ha6a. Oncocyclus hybrid, 14", E, O1Dcm. S. brown lightly veined RHS 176B; F. same, veined and dotted; black purple signal (RHS 176B). I. mariae X I. atropurpurea.
- *SPICE WOOD (Helen Stevens, SDB, R. 1966). Old Brook 1967.
- SPRING ANTHEM (Les Peterson, R. 1967). Sdlg. LP 66-20A. Aril-bred, 20-22", EE, Y1F. Rich yellow self including beard and styles; minutely ruffled and fluted. ((Chamois x Generous) x Nomohr)) X Imaret.
- *SPRING ECHO (Dubes, TB, R. 1966). Wactah Majon 1967.
- SPRING LAUGHTER (Alta M. Brown, R. 1967). Sdlg. M 826-8. SDB, 13", E, Y1P. Chartreuse yellow (Wilson primrose yellow 601/1) self; slightly darker in center of F; lacy and ruffled; blue (642/1) beard. Easter Holiday X M 271(((Queen's Lace x Cliffdel) x Quest))) x sib of Cute Capers))).
- SPRING LYRIC (Dorothy S. Palmer, R. 1967). Sdlg. 6565A. TB, 36", M, O1P. Deep pink self, no trace of peach; ruffled; pink-coral beard. Liltling Melody X Fairy Fable. HC 1967.
- *SPRING RAIN (Mildred Brizendine, BB, R. 1966). Brizendine 1967.
- *SPUNKY IMP (Mrs. Nick Carstensen, MDB, R. 1966). Nick's 1967.
- STAR BEAM (Bennett C. Jones, R. 1967). Sdlg. B20-2. BB, 28", E, W4B. S. white; F. full blue. ((Kiss Me Kate x (Polar Cap x Progenitor)) X ((Polar Cap x Progenitor) x Whole Cloth)).
- STARBURST (Chet W. Tompkins, R. 1967). TB, 44", M-L, OR1. Brilliant orange-red self with smooth blending of fiery copper throughout; ruffled. Donnybrook X Brass Accents. Fleur de Lis 1967.

- STARSHADOW (R. C. Watkins, R. 1967). Sdlg. T2/55/2. IB, 18", M, W1Y. White self (RHS 158B) with yellow haft. Starshine X ((Clear Sailing x (Sulina x Nana) x Green Spot)).
- STEP CHILD (Bernard L. Hamner, R. 1967). Sdlg. 64-28x15. BB, 22", E-L, W2V. Dark violet white ground plicata (Wilson Aconite violet 937); dark violet domed S., violet plicata markings on lightly ruffled and flaring F; light blue-brown tipped beard. Dot and Dash X Rococo.
- STEVE HUGHES (Tom J. Hughes, R. 1967). Sdlg. HG 45. TB, 36", E, V1F. Full violet self. Patience X Mary McClellan.
- STORMY WHIRL (Erwin Tuller, R. 1967). Sdlg. 03X-253X. TB, 31", ML, V1L. No standards; F. pansy-violet, lighter in center, ruffled; haft markings olive over gold; lavender style arms with off white; six light orange beards. Sdlg. 8X X King of Hearts.
- STUDY IN BLACK (Gordon W. Plough, R. 1967). Sdlg. 62-96-25. TB, 36", EM, R1DD. Deep red-black self with lighter area at base of midrib; clean brownish hafts; velvety finish; beard brown tipped blue-violet. (Duke of Burgundy x Edenite) X Congo Song.
- *SUGAR BISCUIT (Brummitt, TB, R. 1965). Orpington 1967.
- SUDDEN BEAUTY (Leo Clark by David Lorenz, R. 1967). Sdlg. 62-C6-#3. Arilbred, EM, 28-30", W4Ycm. S. white, pale yellow midribs; ruffled; F. yellow, large brown signals, rounded, ruffled and recurved. Kerr 55-9-A (pure oncocyclis and regelia hybrid) X Wilkes' (21 Salah).
- *SULTAN'S CHOICE (Eva Smith, TB, R. 1966). Smith's Iris Garden 1967.
- *SULTRY (Eva Smith, TB, R. 1966). Smith's Iris Garden 1967.
- SUMMER BUTTERSCOTCH (G. Percy Brown, R. 1967). TB & re, 29", OY5L. Butterscotch colored self; few red veins on F; orange beard. Yellow sdlg. X Autumn Sensation.
- SUMMER DARKNESS (G. Percy Brown, R. 1967). TB & re, 34", B4RV. S. medium blue; F. dark red-purple, velvety; orange beard. Blue sdlg. X Barre Beauty.
- SUMMER DAWN (Z. G. Benson, R. 1967). Sdlg. SF3-9. TB, 34", M, YO5L. Apricot peach blend. Marilyn C X Celestial Glory.
- SUMMER JANEWAY (G. Percy Brown, R. 1967). TB & re, 29", B3FD. S. medium blue, closed; F. dark blue, slightly flaring; yellow beard. Mauve sdlg. X Autumn Jane.
- #SUNBURST (Bledsoe, TB, R. 1965). Name changed to Sunburst Duet because of earlier registration by same name.
- *SUNBURST DUET (William T. Bledsoe, TB, R. 1965). Bledsoe 1967.
- SUNLIT (J. M. Gibson, R. 1967). Sdlg. 66-2PD. TB, 36", M, W20. S. light brown flushed red; F. light brown markings on white ground. Sdlg. 47-OP X 35-OPLA.
- SUN MIRACLE (Schreiner's, R. 1967). Sdlg. W 474-AA. TB, 36", M, Y1F. Absolute self of even color pure gold, canary yellow (RHS canary yellow), very smooth; even yellow beard. Olympic Torch X R 272-2 ((Golden Blaze x M1158-A (Country Butter x Golden Sunshine)). Schreiner's 1967.
- SUNNY DREAM (Tom Craig, R. 1967). Sdlg. 66-B42-1-2-4. TB, 36", ME, GY1. Greenish sulfur self; laced. Melodrama X Full Dress. Craig 1967.

- SUNNY ECHOES (Ellen K. Crouch, R. 1967). Sdlg. 66-A-1. TB re., 30", E, Y1L. S. yellow (5Y); F. same; faint brown veining on sides of hafts; slightly ruffled; yellow beard. Beau Catcher X Nappanee.
- SUNRISE BUTTERCUP (Dr. Frederick R. Judy, R. 1967). Sdlg. 6535-3. SDB, 12", E, Y1F. Buttercup yellow self; beard white to primrose yellow; modified pumila in shape. 5960 (Veri-Gay x Green Spot) X Brassie.
- SUNSET SHADOWS (Bernice R. Roe, R. 1967). Sdlg. 66-1. TB, 35", L, V1F. Aster violet (Wilson 38/1) self. Pacific Panorama X Sunset Blues. HC 1967.
- SUNSHINE SYMBOL (N. T. Willbanks, R. 1967). Sdlg. 321-5. Aril-bred, 32", E, Y3cm. S. vivid greenish yellow; F. deeper; red brown signal. Tatai Pasha X Imam Salah. Willbanks 1967.
- SUN-SON (Inez Kendall, R. 1967). Sdlg. 67-1. BB, 27", M, Y1F. Deep yellow self. From unknown parentage.
- SUN SPARKLE (David B. Sindt, R. 1967). Sdlg. D101. MDB, 4", VEE, Y1F. Bright full yellow self; self beard. Presumably Carpathia X Carpathia.
- SUPERCALIFRAGILISTIC (Clarence J. Blocher, R. 1967). Sdlg. 80. TB, 35", M, RV1L. Rosy lavender self; pink beard. (Arctic Flame sib x Bluebird Blue) X (May Hall x Fay 56-7). Blocher 1967.
- SUPERGLOW (Schreiner's, R. 1967). Sdlg. T 1801-1. TB, M, 38", R1Dcm. S. fuchsia, Rembrandt red and brown blend; F. richer blending of above with distinct chocolate border. Parentage uncertain. Schreiner's 1967.
- SUPER GOLD (D. W. McLain, R. 1967). Sdlg. 63191. TB, 38", ML, Y1F. Bright straw yellow self; laced and fluted; beard tipped white. Butterscotch Kiss X Crispette.
- SUPREME BLISS (O. D. Niswonger, R. 1967). Sdlg. 5-66. TB, 34", M, O1P. Pale pink self. (Pink Fulfillment x Orchid Jewel) X Rippling Waters.
- *SUSPENSE (Ben R. Hager, Spuria, R. 1966). Melrose 1967.
- SUVA (Gordon W. Plough, R. 1967). Sdlg. 60-134-9. TB, 35", EM, W2B. S. white ground centers more heavily suffused lobelia blue (Wilson 41/1) at edges; F. white narrowly edged color of S; hafts clean deep blackish brown; styles same deep lobelia blue as S; some dotting in white centers; beard mustard tipped blue. Sib to Saigon X Dutch Doll.
- *SWEET INNOCENCE (M. Reinhardt, TB, R. 1965). Reinhardt 1967.
- SWEET LORRAINE (Gordon W. Plough, R. 1967). Sdlg. 62-57-23. TB, 36", ML, Y04Wcm. S. near apricot (Wilson 609/3) with pinker center glow; F. white with clean maize yellow (607/2) hafts and blended edging around petals; beard white with each hair tipped Chinese coral (614). Sib to Kachina Doll X Cloud Dancer.
- SWEET VIOLET (Doris Foster, R. 1967). Sdlg. 61-10-1. IB, 26", EM, V1cm. Pansy violet self with green veining and midrib; gold beard; styles blue and yellow, violet-tipped; ruffled. Real Gold X Green Pastures. Tell 1967.
- SWINGER (David Lorenz, R. 1967). Sdlg. 65-32-C. TB, 36", E-M,

Y4Bcm. S. cream with pale blue overlay, blue midribs, gilt flush; F. pale blue, deeper blue edging and spot below beard; yellow beard. Amethyst Flame X Whole Cloth.

TALKING POINT (Caroline DeForest, R. 1967). Sdlg. 66-27. TB, 38", M, V5P. Pink and lilac blend; red beard. (Pink sdlg. x Apple Valley) X Rippling Waters. HC 1967.

TAMMY'S PETTICOAT (Mrs. Dan Edelman, R. 1967). Sdlg. C5-1. TB, 36", L, Y1P. Very pale yellow self; beard shade darker. Courtier X Spanish Peaks.

TANGLEWOOD (Dr. C. C. Hall, R. 1967). Sdlg. S12/2. TB, 38", M, V5L. Deep lavender self suffused brown. ((Kangchenjunga x (Kangchenjunga x Emma Cook)) X Royal Oak. SC, BIS 1966. Wisley Trials 1967.

*TANOLET (William H. Peck, TB, R. 1966). Old Brook 1967.

*TAR RIVER (Thelma Carrington, TB & re, R. 1965). Pilley 1967.

TEENAGERS' BLUSH (Mrs. F. Allen Brown, R. 1967). Sdlg. 61-131-B. TB, 32", E-L, O5P. Blending of coral pink and cream with delicate orchid halo and thumbspot at tip of beard; coral pink beard tipped pale orchid; ruffled. Fleeta X (Queen's Lace x Pink Ripples). Landsend 1967.

TEKO (Z. G. Benson, R. 1967). Sdlg. SF109-5. IB, 16-18", EE-L, Y1F. Yellow-gold self. Zing X Frenchi.

*TEMPIE DAHLGREN (Arthur Watkins, TB, R. 1966). Old Brook and Fairmount 1967.

#TEMPO (Georgia Hinkle, TB, R. 1966). Name released and transferred to Sdlg. X-5-4.

TEMPO (Georgia Murphey Hinkle, R. 1967). Sdlg. X-5-4. TB, 32", M-L, V1L. Very light blue self with green influence, green veining; ruffled; wide cream beard. Eve X Dear Bob.

TEXAS STORY (Chet W. Tompkins, R. 1967). TB, 38", E-ML, V1P. Clover pink self; slightly deeper beard. Pink Enchantment X Cameo Coral. Fleur de Lis 1967.

TEX-O (Z. G. Benson, R. 1967). Sdlg. SF109-4. IB, 16", E-M, Y5F. Old gold self. Zing X Frenchi.

*THOU SWELL (Crandall, TB, R. 1965). Fleur de Lis 1967.

THRESHOLD (Mrs. J. R. Hamblen, R. 1967). Sdlg. H63-86A. TB, 34", E, VB5Fcm. Lobelia blue (RHS violet blue 91B) self with lighter center area in F; red-orange beard. 60-141 ((Fashion Show x Mary Randall x Pink Enchantment)) x (Melodrama x 60-48 (tangerine-bearded blue inv. Palomino, Helen McGregor, Hit Parade, Radiation, Great Lakes) X ((Valimar sib x June's Sister) x Fifth Avenue)). HC 1967.

#THRONE ROOM (Bryce Phenis, TB, R. 1966). Name released.

THRUWAY (Dr. Frederick J. Knocke, R. 1967). Sdlg. K 35. TB, 36", M-L, W1W. White self; ruffled. Cross Country X Frieda's Favorite. Tell and Young 1967.

*TIDESONG (C. & K. Smith, TB, R. 1966). Moldovan 1967.

TIGER BLAZE (David B. Sindt, R. 1967). Sdlg. F 701. SDB, 12", E, Y4Ocm. S. bright deep yellow; large, well-defined deep brown spot on F. and broadly edged yellow; orange beard. Inca Chief X Sulina. HC 1966.

- TIGER DOINGS (Dorothy E. Guild, R. 1967). Sdlg. 63E10. MTB, 24-28", EM, 05Dcm. S. blended shading of brown; F. cream with heavy brownish maroon stripes and veining; wire edging same color of S; yellow beard. Eversweet selfed.
- TIGER TERRITORY (Dorothy E. Guild, R. 1967). Sdlg. 63E5. MTB, 24-28", EM, Y3FP. S. gold, slightly ruffled; F. cream with light veining of maroon red; yellow beard. Eversweet selfed.
- TIGRESS (Kathryn Van Dexter, R. 1967). Sdlg. P15. TB, 30", M, OY3LD. S. strong orange-yellow (Nickerson 7.5YR 7/11); F. dark orange-yellow with red flecks (7.5YR 6/9); yellow beard. Palomino X Elmohr.
- TIJUANA BRASS (Schreiner's, R. 1967). Sdlg. R 929-1. TB, 38", ML, 05D. Rich even toned metallic gold-copper brass self; self beard. M 750-3 ((50-12 x Cordovan) x Inca Chief)) X L 301-E (Pretty Quadroon x Inca Chief). Schreiner's 1967.
- *TINSEL TOWN (C. W. Tompkins, TB, R. 1966). Fleur de Lis 1967.
- TIPPY (Alta M. Brown, R. 1967). Sdlg. M 820-1. SDB, 12", E, VB4Vcm. S. bluebird blue (Wilson 042/2); F. aconite violet (937/1) with 1/4-inch border of bluebird blue; bluish white beard. Centerpiece X Little Imp.
- *'TIS MIDNIGHT (Cora May Pickard, TB, R. 1966). Pickard 1967.
- TOMKI (Maynard C. Knopf, R. 1967). Sdlg. 65-35. TB, 38", ML, V5L. S. lavender-brown; F. deep lavender infusion with rim of brown; thick deep yellow beard. Beauty Queen X Denver Mint.
- TOMTEBO (Lavone Ney, R. 1967). Sdlg. 60-2. TB, 34-35", M, 05Dcm. Medium brown with pink undertone, pronounced lavender blaze under bronze beard; flaring, ruffled and silky. June Bride X Fortune's Gift. HC 1967.
- *TONGA MOON (Mrs. Ray E. Jensen, TB, R. 1966). Tell 1967.
- *TOP MAN (Reuben T. Smith, TB, R. 1966). Kool Acres 1967.
- TORCH GLOW (Ellen Alexander, R. 1967). Sdlg. 63-5-18. TB, 36", EM, 05Lcm. S. golden orange; F. orange, heavy brown brushing on haft, continuing down F; yellow beard. Palomino X Olympic Torch.
- TRADE WINDS (David Lorenz, R. 1967). Sdlg. 65-48. TB, 36", M, Y01L. S. medium apricot-peach; F. same with lighter area in center; ruffled; tangerine beard. Luzon Crosby X Denver Mint.
- #TREASURE ROOM (Bryce Phenis, TB, R. 1966). Name transferred to Sdlg. 64-34-S.
- TREASURE ROOM (Bryce Phenis, R. 1967). Sdlg. 64-34-S. TB, 36", M, Y3. S. dresden-yellow, flushed apricot; F. deep dresden yellow; beard same. Denver Mint X September Song.
- TRIUMPHANT PINK (Walter Marx, R. 1967). Sdlg. 106-1. Jap, 36-40", E-M, V1L. Light orchid-pink self; styles white tipped pink. (106 x 100) X (World's Delight x orchid sdlg.)
- TROPIC TOUCH (Gordon W. Plough, R. 1967). Sdlg. 62-108-9. TB, 35", EML, B4BVcm. S. flax blue (Wilson 642/4); styles same striped veronica violet (639/1); F. blended veronica violet (639/2) with darker stripe down center (639); gradually blends through 639/1 to overall color; beard yellow tipped blue-violet. (Melodrama x Cloud Dancer) X Emma Cook.

- TULE SANDS (Hilda Fail, R. 1967). Sdlg. H-24. TB, 38", M, YO1L. S. buff (Wilson Egyptian buff 407/2) self, heavily laced. Butterscotch Kiss X (Taffy Brown x Lolo Trail). Hilda 1967.
- TULE SPICE (Hilda Fail, R. 1967). Sdlg. F-2-6-2. BB, 24", E, YO2RO. S. Egyptian buff (Wilson 407/3); F. same with reddish brown plicata markings. Majorette X Irma Melrose. Hilda 1967.
- TURKEY WHITE (G. A. Timbs, R. 1967). Sdlg. 371. Arilbred, 36", EML, W1W. Pure white self; narrow yellow beard; blue-white buds. Sdlg. 5B1 (Bird of Dawning x 52B) ((Spindrift x Isabella) x Joppa Parrot)) X Ben Ahdem.
- TURKISH TRACERY (Doris Foster, R. 1967). Sdlg. 64-14-6. Arilbred, 29", EM, V3cm. S. violet, veined maroon; F. rose-violet overlaid with deep maroon dotting; rose styles; golden-bronze beard. Rosearil X Aril Beauty.
- TUSSAH SILK (H. W. Neubert, R. 1967). Sdlg. 98-64A. TB, 34", M, O5D. S. garnet brown; F. golden brown at center, deepening to garnet brown at edges. (Bang x Spellbound) X Gracie Pfost.
- *TWILIGHT HARMONEY (Jean Stevens, TB, R. 1964). Wanganui 1967.
- *TWO-STEP (Dubess-Young, TB, R. 1962). Wactah Majon 1967.
- TYCOON'S GOLD (O. D. Niswonger, R. 1967). Sdlg. 33-63. TB, 33", L, Y1Lcm. S. yellow; F. yellow with white blaze. Idaho Gold X Pretty Carol. HC 1967.
- ULTRALURE (J. M. Gibson, R. 1967). Sdlg. 35-0 PLD. TB, 34", M, W2RVO. S. copper flushed mulberry; F. clean white ground, copper flushed mulberry. Wild Ginger X 51-5B.
- UPPER ROOM (D. Steve Varner, R. 1967). Sdlg. 5221. TB, 34", ML, OY4RV. S. buff yellow; F. rose-violet. 2130 (Whole Cloth x Lavendula) x 225 (146: Top Flight x Yesteryear) X Branch 59-22 (Lavendula x white sdlg).
- *U.S.S. CONCORD (Ann and Clarence Blocher, TB, R. 1964). Blocher 1965.
- VANGIE'S PRIDE (Arthur Watkins, R. 1967). Sdlg. 61-10-a. TB, 30", M, B1L. Seal blue self; blue-white beard. Ice Carnival X Land's End. Fairmount 1967.
- *VASHON (Gordon Plough, TB, R. 1966). Eden Road 1967.
- VEINED AND BEAUTIFUL (C. A. Swearengen, R. 1967). Sdlg. 291. Jap. double, 38", EM, RV3cm. Dioxazime purple, medium at edges to light in center; veins full dioxazime purple; styles dark dioxazime purple and growing at 45° angle; S. 2/3 width of F, overlapping to make a wheel. Sky and Water X The Great Mogul. Swearengen 1967.
- *VIET NAM (Gordon Plough, TB, R. 1966). Eden Road 1967.
- VILLA MAUVE (J. M. Gibson, R. 1967). Sdlg. 55-1LFE. TB, 32", M, V1L. Mauve self. 69-8L X 124-7 LFA.
- VILLA SHIMMER (J. M. Gibson, R. 1967). Sdlg. 35-1 PB1F. TB, 43", M, W2B. White ground plicata with blue stitching. 23-4B X Rococo.
- VIOLET DELIGHT (John Laur, R. 1967). Sdlg. 87A61. TB, 36", M,

- RV1F. Strong purple self on violet side, lighter area at haft; dark orange-yellow beard, tip near color of F. Amethyst Flame X Whole Cloth.
- VIOLET REPEAT (Mrs. L. W. Brummitt, R. 1967). Sdlg. 22/14. Siberica, 36", M & re, V1F. Bright violet self. White Swirl X Eric the Red.
- VIVA (George Shoop, R. 1967). Sdlg. 64-26-1. TB, 36", M, OY4Wcm. S. orange-tan; F. cream-white with border of orange-tan. Ole X 60-11-1.
- WALKING HAPPY (Mrs. Katie S. Carstensen, R. 1967). Sdlg. C 1964. TB, 38", VL, B1P. Powder blue self. My Happiness X Sunday Morn.
- WAR LORD (Schreiner's, R. 1967). Sdlg. W 387-c. TB, 34", M, R1D. Mahogany-red self with copper cast; F. ruffled and more velvety; brownish red beard. Fire Magic X Gypsy Jewels.
- WATERCOLOR (Earl R. Roberts, R. 1967). Sdlg. 65R25. SDB, 14", E, Y1Lcm. S. light yellow; F. same with bright yellow hafts; velvet-brown spot; deeper veined, wire edging of yellow; orange beard. June Meredith X Austrian pumila lilac 124.
- WAVES AND FOAM (Bernice R. Roe, R. 1967). Sdlg. 66-2. TB, 36", L, W4B. S. white; F. faience (Wilson 649/2) blue. Pacific Panorama X Sunset Blues.
- *WEE LAD (Gordon Plough, SDB, R. 1966). Eden Road 1967.
- *WEE TOT (Gordon Plough, SDB, R. 1966). Eden Road 1967.
- WESTERN LARK (Walker Ferguson, R. 1967). Sdlg. 67-1. Spuria, 42", EE-M, Y3PFcm. S. cream-white; F. yellow, bordered white, ruffled. Windfall X Yellow Wings. Ferguson 1967.
- WESTERN QUEEN (George Stambach, R. 1967). Sdlg. 52-60. California native, 15-16", M, W1. White self with few dark veins in haft. White dark-veined sdlg. X Ojai.
- *WHEAL TOWAN (A. O. McWilliam, TB, R. 1966). Orpington 1967.
- *WHIRLING CREAM (Charles Wm. Voris, TB, R. 1966). Voris 1967.
- *WHITE CANDLEGLOW (Mrs. Nick Carstensen, TB, R. 1966). Nick 1967.
- WHITE CAPRICE (Mrs. Howard W. Goodrick, R. 1967). Sdlg. 65-4. TB, 34", M, W1. White self; tangerine-orange beard. Ruby Lips X 60-4 (((New Snow x Party Dress) x Lipstick)) x Lipstick sdlg.)) HC 1967.
- WHITE ENSEMBLE (Carl A. Quadros, R. 1967). Sdlg. 64-145A. TB, 36", EM, W1W. White self; white beard. Goodness X (Celestial Snow x Poet's Dream).
- WHITE FORMAL (Margaret Beck, R. 1967). Sdlg. 63c21. TB, 40", E-L, GW1. Pure white self with greenish cast; ruffled and fluted. Cliffs of Dover X (Marion Marlowe x Snow Flurry).
- WHITIE (Tim Craig, R. 1967). Sdlg. 234W. MDB, 9", EEE, W1cm. White self with burnished gold-green and Corsican blue spot on F. Clean Sweep X Cretica. Craig 1967.
- *WIDE LODE (Caroline DeForest, TB, R. 1966). Irisnoll 1967.
- *WILDCAT (O. T. Baker, TB mutation, R. 1966). Baker's Acre 1967.

- *WILD HARVEST (Hazel Schmelzer, TB, R. 1966). Schmelzer 1967.
- WILD RIVER (Schreiner's, R. 1967). Sdlg. T 758-3. TB, 35", M, B1L. Very light pure blue self (RHS bluebird blue 42/1). R 534-A (((M1006-2 (J 240-B (Pierre Menard x (Blue Rhythm x Chivalry)) x K 599-B (G 183-2 (Distance x Sylvia Murray) x Jane Phillips x Blue Valley)) x Harbor Blue))) X Galilee. Schreiner's 1967.
- WILDWOOD SPRITE (Mrs. John F. Hardy, R. 1967). I. innominata. 14", Y1cm. Yellow self with heavy red veining; small, round, ruffled. Collected.
- WILLOW WATER (Neil A. Mogensen, R. 1967). Sdlg. J-127. TB, 38", E-M-L, B1L. Medium blue self; self beard tipped white. (Chivalry x New Snow) X Oceanic.
- WILLOW WAY (Margaret Beck, R. 1967). Sdlg. 6344. TB, 36", M-L, Y1P. Pale yellow self; leathery petals; tangerine-red beard. Limelight X Azure Skies.
- WINDSWEPT (Schreiner's; George Thompson, selector, R. 1967). TB, 36", M, B1L. Light blue self. P686-1 (((28-46 x Sylvia Murray) x (Quicksilver x Jane Phillips)) x Lady Ilse))) X R 615-A ((Bluebird Blue x M 1011-2) x (Biscay Bay x Harbor Blue)).
- WINDSWEPT FLAME (George A. Livingston, R. 1967). Sdlg. 63-19-2. TB, 32", M & re, R1F. Medium red self. ((Savage x Big Ute) x Molten)) X sib.
- WINIFRED'S PRIDE (Arthur Watkins, R. 1967). Sdlg. 61-1-A. TB, 30", M, Y1F. Golden yellow self, lightly flushed green; F. lightly ruffled; deep yellow beard. (54-6-a x Truly Yours) X Solar Maid. Fairmount 1967.
- WISCONSIN HERITAGE (Clarence Protzmann, R. 1967). Sdlg. 64-10. TB, 36", M, V1F. Methyl violet self; ruffled. Polka Time X Violet Grace. HC 1967.
- *WISHING HOUR (Glenn Corlew, TB, R. 1966). Cherry Lane 1967.
- WOODLAND SHADOWS (Tom Munger, Jr., R. 1967). Sdlg. 66-1B. TB, 30", ML, V1DD. Dark violet self; ruffled. Melodrama X (Black Taffeta x Dutch Doll).
- WOODWIND (Ben R. Hager, R. 1967). Sdlg. S109I. Spuria, 38", M, Y5Dcm. Golden brown with small yellow signal. Windfall X Driftwood.
- *WORTHY (Luella Noyd, Arilbred, R. 1966). Noyd 1967.
- #XANADU (Douglas, TB, R. 1939). Name released to P. Edinger.
- XANADU (Philip W. Edinger, R. 1967). Sdlg. 198-61A. TB, 38", EM, W2RV. S. white, heavily edged red-violet; F. white, edged red-violet. DeMuth 57-11 plicata (Raven Wing x Northwestern) X Burbidge purple (Raven Wing x Northwestern). HC 1966.
- *YANKEE BOY (Frederick W. Gadd, TB, R. 1966). Wethersfield 1967.
- *YELLOW DUET (R. G. Smith, TB & re, R. 1965). Smith 1967.
- *YELLOW RIBBON (Mrs. Nick Carstensen, TB, R. 1966). Nick's 1967.
- YOGI (Tim Craig, R. 1967). Sdlg. CRS 2. SDB, 12", EE, W1Ycm. S. snow white; F. same with chartreuse yellow-green spot. Steeplechase x Bob's Blue X dwarf blue. Craig 1967.
- *YOKAYO (Maynard Knopf, TB, R. 1966). Knopf and Tell 1967.
- *YOUNG AND GAY (C. & K. Smith, TB, R. 1966). Mrs. Kenneth Smith 1967.

REGISTRANTS AND THEIR REGISTRATIONS
INTRODUCERS AND THEIR INTRODUCTIONS

Irises registered in 1967 are set in capitals after the name of the hybridizer. Irises introduced in 1966 are set in lower case after the name of the introducer. For purposes of this list, garden names are considered different from the hybridizer, even if the same person. Irises both registered and introduced by the same hybridizer in 1967 are set in capitals and underscored.

ABERCROMBIE'S IRIS GARDENS, 7781 Livingston Road, Cincinnati, Ohio 45239.
Rebecca Towne

ALEXANDER, MRS. JAMES W. (ELLEN), 344 Cassidy Ave., Lexington, Kentucky 40502.
TORCH GLOW

ALLEN, JAMES R., 617 Ashmore, New Braunfels, Texas 78130.
CRYSTAL CANYON, DESSIA, ROYAL CANYON

ARIL SOCIETY INT. (for C. G. White, deceased), 10427 Samoa Ave., Tujunga, California 91042.
JABAL AZIZ

ARIL SOCIETY INT., c/o Mrs. Charlotte Adams, Secretary, 7802 Kyle Street, Sunland, California 91040.
Almost, Goldiana, Jabal Aziz, Jebel Jehar, Salphide

ARNY, CHARLES W., JR., 117 Acacia Drive, Lafayette, La.
DENEb, EOLIAN, ILA NUNN

BAKER, O. T., 7650 West 4th Ave., Denver, Colorado 80226.
HIGHBORN, ROYAL GUARD

BAKER'S ACRE IRIS GARDEN, 7650 West 4th Ave., Denver, Colo. 80226.
Wildcat

BAY VIEW GARDENS, 1201 Bay Street, Santa Cruz, Calif. 95060.
Baby Shower, Bay View, Meditate, Mystic Mood, Oasis

BECK, MRS. MARGARET, Eagle Bridge, New York 12057.
ALMOND PINK, BREWING STORM, COPPER GIRL, GOLD CLARION, LUSCIOUS LOVE, MOLTEN FIRE, NIGHT WATCHMAN, POLKA DOLL, WHITE FORMAL, WILLOW WAY

BELLMER, MRS. A. L. (ELIZABETH), 1106 Ruby Drive, Toms River, New Jersey 08753.
MARY GERALDINE

BENSON, CLIFFORD W., Route 3, Baxter Road, Chesterfield, Missouri 63017.
Mascara

BENSON, Z. G., 2211 Denver, Wichita Falls, Texas 76301.
DRIFTING SANDS, SUMMER DAWN, TEK0, TEX-0

BERNDT, MRS. J. W., 4330 Cleveland Ave., Stevensville, Mich. 49127.
GAY BOUQUET, PAPER CITY

BETHURUM, FAE, Selector, 211 Church Street, Redlands, Calif.
JEBEL JE HAR

BIERMAN, MRS. JOHN, Battle Creek, Nebraska 68715.
Little Lena

BILSTON, ARTHUR A., 83 Yarrowee Street, Sebastopol, Bellarat,
Victoria, Australia.
ALBERT NAMATJIRA, JOY BILSTON

BLANKENSHIP, KAREEN, Route 1, Box 105, Onalaska, Wash. 98570.
RUFFLED LAVENDER

BLEDSE, WILLIAM T., Route 4, Fayetteville, Tennessee 37334.
BORN RICH. Sunburst Duet, Cotton Cloud, Southern Hospitality

BLOCHER, ANN and CLARENCE, 336 E. Forest Ave., Wheaton, Illinois
60187.
CHIM CHIM CHEREE, MARQUESAN SKIES, SUPERCALIFRAGILISTIC

BLODGETT, ARTHUR G., 1008 East Broadway, Waukesha, Wisc. 53186.
GALA ROSE

BLODGETT IRIS GARDENS, 1008 E. Broadway, Waukesha, Wisc. 53186.
Apollo's Gift, Redwood Embers

BLODGETT, MRS. ROMONA A., 1008 E. Broadway, Waukesha, Wisc.
APRICOT DRIFT, INDIAN FRINGE

BLYTH, C. J., P. O. Box 48, Lagoon Road, Trentham, Victoria,
Australia.
BLYTH'S WHITE SPRITE, BROLGA, ELVA ANSELL, EVENING WATCH, GAY
PIROUETTE, JAUNATRE, KYAH CHARM, KYAH KYUMA, KYAH LAWANA, KYAH
MARANGA, KYAH ORIENT, KYAH SUN, LASSETER'S REEF, LAVENDER
DIADEM, LILA WILLIAMS, MAIWYN, MARGARET McCORMICK, NINA AYRES,
PINK TAILOR, PIXIE CARNIVAL, PIXIE MELODY

BRANCH, DR. CHARLES E., Piper City, Illinois.
SPARKLING SNOW

BRINK, PAUL, Milan, Ohio 44846.
PRINCESS KAREN

BRISCOE, H. E., Route 1, White Hall, Illinois 62092.
BONNIE D, LOOK

BRIZENDINE IRIS GARDENS, 2214 Maryland St., Topeka, Kansas 66605.
Kate's Cousin, Spring Rain

BRIZENDINE, ROY, 2214 Maryland Ave., Topeka, Kansas 66605.
SALPHIDE

BROWN, MRS. F. ALLEN, 4326 Grandin Road Ext., Roanoke, Va. 24018.
CHOSEN BEAUTY, CORAL KISSED, DIAMOND DUST, MISTY PARADISE,
MORNING ECHOS, SOUTHERN HERITAGE, TEENAGERS' BLUSH

BROWN, G. PERCY, Broad Street, Barre, Mass. 01005.
SUMMER BUTTERSCOTCH, SUMMER DARKNESS, SUMMER JANEWAY

BROWN, MRS. OPAL L., Route 4, Box 136, Walla Walla, Wash. 99362.
BARCELONA, CARILLON FESTIVAL, LIGHT TOUCH, RALLY CALL, SEASIDE,
SKYVIEW

BROWN, REX P., 12624 84th Ave., NE, Kirkland, Washington 98033.
BAMBOO CURTAIN, ELEGANT CHARM

BROWN, MRS. REX P. (ALTA), 12624 84th Ave., NE, Kirkland, Wash.
98033.
ANGEL MUSIC, BLUE SECRET, DAINY DOVE, FROSTED CREAM, HAPPY
MOOD, LITTLE SUNBEAM, MYSTIC MAID, NAVY DOLL, RED PIXIE, ROSE
HARMONY, ROYAL FAIRY, SPRING LAUGHTER, TIPPY

BROWN'S EVERBLOOMING IRIS GARDEN, Barre, Mass. 01005.
Fall Blue Contrast, Fall Gaylite, Fall Novelty, Fall Yellow
Supreme, September Bouquet, Fall Novelty.

BROWN'S IRIS GARDENS, 12624 84th Ave., NE, Kirkland, Wash. 98033.
 Alpine Halo, Banded Bronze, Blue Capers, Bride's Pearls, Bright Baby, Cartwheel, Crowning Touch, Dainty Damsel, Dark Topic, Doll Dance, Gold Locket, Irish Lilt, Isle of Dreams, Jolly Joker, June Prom, Jungle Kid, La Juana, Lake Washington, Lavender Lass, Lemon Dream, Pink Cushion, Pink Darling, Plicutie, Raspberry Flip, Red Heart

BROWN'S SUNNYHILL GARDENS, Route 4, Box 136, Walla Walla, Wash. 99362.
 Barcelona, Light Touch, Seaside

BRUMMITT, L. W., 30 Bloxham Road, Banbury, Oxon, England.
 BLUE DRIFT, GIPSY MOTH, VIOLET REPEAT

BUCKLES, EUGENE, 535 Kathleen Ave., Sikeston, Missouri 63801.
 CELESTIAL DAWN, MISTER RHETT, OLYMPIC KATE

BUCKLES IRIS GARDEN, 535 Kathleen Ave., Sikeston, Mo. 63801.
 Janice Ruth, Lila Carol

BURNS, HARVEY R., 1142 Lincoln Street, Milton, Pa. 17847.
 KAREN LEE MABUS, MICHELLE BURNS, RODNEY ALLEN BURNS

CALVERT, MERTON, 3 Stoke St., Newtown, Tasmania, Australia.
 MISS TASMANIA, OLIVE CALVERT

CAPE IRIS GARDENS, 822 Rodney Vista Blvd., Cape Girardeau, Mo. 63701.
 Sapphire Fuzz

CARLSON, GERHARD A. (by Mrs. G. Carlson), 605 North Lyle, Kennewick, Washington 99336.
 FLAME AND SAND, SINABAR

CARRINGTON, MRS. THELMA D., 6283 Buisson St., San Diego, Calif. 92122.
 APRIL SUNBEAM, DARK RIVER, DEL MAR, KNAPP OF REEDS

CARSTENSEN, MRS. KATIE S., 1327 Hays Ave., Norfolk, Nebr. 68701.
 HUNTER'S NIGHT, NATURAL POISE, RUFFLED MAHOGANY, WALKING HAPPY

CASSEBEER, F. W., 414 Strawtown Road, West Nyack, New York 10994.
 MOLLY PRICE

CASSELMAN, DR. A. J., Old Egg Harbor Road, Gibbsboro, N. J. 08026.
 DAUPHIN GIANT

CHERRY LANE GARDENS, 2988 Cherry Lane, Walnut Creek, Calif. 94596.
 Kimzey, Wishing Hour

CHOWNING, FRANK E., 2110 Country Club Lane, Little Rock, Ark.
 MARJORIE BRUMMITT

CHRISTENSEN, EDWARD N., 1205 W. Grand Ronde, Kennewick, Wash. 99336.
 BUTTERSCOTCH PLUM, CLOUD RUFFLES, ROLLING WAVES

CHRISTLIEB, MRS. LEDA, Rural Route 1, Severy, Kansas 67137.
 JUNGLE BIT, MYOWN JOY, POGO DOLL

CLARK, LEO, Star Route, Box 1-E, Corning, Calif.
 COCOA CREAM, JAI ALAI, SIERRA FAWN, SIERRA SPRING, SUDDEN BEAUTY

COLLINS, MRS. JEAN, Cambridge Road, R.D. 1, Tauranga, New Zealand.
 MAIRE PINEL

COOK, MRS. PAUL H. (EMMA), R.R. 4, Bluffton, Indiana 46714.
 MISS TEENAGE, QUIET NIGHT. Azure Dome, Radiant Dawn, Ring Bearer, Space Master

COOLEY'S GARDENS, Silverton, Oregon 97381.

April Melody, Baccarat, Cape Town, Etched Apricot, High Sierra

CRAIG GARDENS, Route 1, Box 97, Hubbard, Oregon 97032.

Adamsblack, Border Girl, Cockerel, Design Dandy, Exotic Parade, Face Color, Green Chic, Green Patch, House Party, Kid, Liberty Spot, Little Zombie, Pamoosa, Patch of Blue, Pat In Blue, Plum Big, Ready, Red Baby, Red Polish, Red Profusion, Serpent, Sunny Dream, Whitie, Yogi

CRAIG, MRS. FRANCES F., Route 1, Box 97, Hubbard, Oregon 97032.

RED PROFUSION

CRAIG, LAWRENCE E., P. O. Box 125, Salix, Iowa.

QUAIL

CRAIG, TIM, Route 1, Box 97, Hubbard, Oregon 97032.

COCKEREL, EXOTIC PARADE, GREEN PATCH, HOUSE PARTY, KID, LIBERTY SPOT, LITTLE ZOMBIE, PATCH OF BLUE, PLUM BIG, READY, RED BABY, SERPENT, WHITIE, YOGI

CRAIG, TOM, Route 1, Box 97, Hubbard, Oregon 97032.

ADAMSBLACK, BORDER GIRL, DESIGN DANDY, FACE COLOR, GREEN CHIC, PAMOOSA, PAT IN BLUE, RED POLISH, SUNNY DREAM

CROUCH, MRS. ELLEN K., 1810 Olmstead Drive, Falls Church, Va. 22043.

SUNNY ECHOES

DE FOREST, MRS. CAROLINE, Route 3, Box 363, Canby, Oregon 97013.

DORIS GAY, TALKING POINT

DUNN, ROBERT L., 4828 Jella Way, North Highlands, Calif. 95660.

JADITE, SAVORY

DUNN, MRS. ROBERT L., 4828 Jella Way, North Highlands, California 95660.

BRILLIANT DISPLAY

DURRANCE, DR. JOHN R., 4301 E. Cedar Ave., Denver, Colo. 80222.

AZURE APOGEE, COLORADO SKIES, JUDGES' CHOICE, SAMOAN HOLIDAY

ECHO HILL GARDENS, R. 1, Box 296, Weidmann Road, Manchester, Mo. 63011.

Indigo Imp

EDELMAN, MRS. DAN, 112 Spruce, Log Lan Village, Ft. Morgan, Colo. 80701.

TAMMY'S PETTICOAT

EDEN ROAD IRIS GARDEN, P. O. Box 117, Wenatchee, Washington 98801

Alaskan Sunset, Aperitif, Bluebeard's Castle, Cascade China, Celestie, Charm of Eden, Cinnamon Mist, Dark Spice, Espresso, Flaming Star, Harbor View, Heather Valley, Jakarta, Kiss of Lemon, Lacedalot, Love's Labor, Nez Perce, Ocean Shores, Orchid Ovation, Pacific Sands, Rain Forest, Singing Pines, Vashon, Viet Nam, Wee Lad, Wee Tot

EDINGER, PHILIP W., 831 Georgina Ave., Santa Monica, Calif. 90402

XANADU

FAIL, HILDA, 706 East Inyo Street, Tulare, California 93274.

BURNISHED ROSE, JANET DIANE, MONTEREY BAY, TULE SANDS, TULE SPICE

FAIRMOUNT GARDENS, 166 Fairmount Street, Lowell, Mass. 01851.

Tempie Dahlgren, Winifred's Pride, John Leslie, Ed Watkins, Adele Stearns, Vangie's Pride

FERGUSON, WALKER, 1160 North Broadway, Escondido, Calif. 92025
FAIRFIELD, FIREPLACE, FROST, QUIET CREAM, WESTERN LARK

FLEUR DE LIS GARDENS, P. O. Box 670, Canby, Oregon 97013.
 Butterfly Baby, Candy Counter, Cool River, Curly McQ, Distant
 Drums, Gingerbread Castle, Kashmir Lace, Midnight Medley,
 Palo Duros, Pearly Waters, Restless Waves, Silver Sands, Song
 Fest, Starburst, Texas Story, Thou Swell, Tinsel Town

FOSS IRIS GARDENS, 6045 St. Croix Ave., Minneapolis, Minn. 55422.
 Northern Sky

FOSTER, MRS. CHARLES R. (DORIS), 321 E. Montecito Ave., Sierra
 Madre, California 91024.
 BETHLEHEM SONG, FAIRY GOBLIN, MINT PARFAIT, SENTIMENTAL, SWEET
 VIOLET, TURKISH TRACERY

FOSTER, FRANK J., JR., 3024 Mesa Road, Colorado Springs, Colo.
 80904.
 AUTUMN ASPEN, CRIPPLE CREEK GOLD

FOTHERGILL, H. SENIOR, 17, Lynwood Grove, Orpington, Kent, U. K.
 ANCIENT AMBER

FRAMKE, MRS. MABLE, Canby, Oregon.
 KASHMIR LACE, MIDNIGHT MEDLEY, SONG FEST

FREUDENBURG IRIS GARDENS, Box 327, Battle Creek, Nebraska 68715.
 Centennial

GANTZ, MRS. ROBERT J. M. (CHARLOTTE), R.D. 1, New Hope, Pa. 18938.
 LILLIBULLERO

GATTY, JOSEPH A., 5-22 Hazel Place, Fair Lawn, New Jersey 07410.
BUBALA, HELLO, SHIRLEY SPURR. Dainty Royal

GHIO, JOSEPH J., 1201 Bay Street, Santa Cruz, California 95060.
 DIGNITARY, HAUNTING RHAPSODY, PENTHOUSE, SEANCE

GIBSON, J. M., 146 S. Villa Street, Porterville, Calif. 93257.
 ETCHED APRICOT, GO GO, SAUCY SUE, SUNLIT, ULTRALURE, VILLA
 MAUVE, VILLA SHIMMER

GILL, MRS. HAROLD B., P. O. Box 663, Orange, Va. 22960.
 JEANNIE JAYNE

GOETT, JOHN E., 1330 Monroe Turnpike, Monroe, Conn. 06468.
 DOLL APRON

GOODRICK, MRS. HOWARD W., 16620 W. Pepper Lane, Brookfield,
 Wisconsin 53005.
 WHITE CAPRICE

GORDON, CHARLES P., 414 Eudora St., Denver, Colorado 80220.
 CHAMPAGNE PUNCH

GREENBRIER FARM, Box 232, R. R. 2, Barrington, Illinois 60010.
 Canary Cadence, Integrity, Robin Redbreast

GUENTHER, GRACE F., 1121 River Drive, Sioux City, Iowa 51109.
 CREOLE BABY, GOLDEN MANTILLA, PRECIOUS ONE

GUILD, DOROTHY E., East 9609 Shannon, Spokane, Washington 99206.
 BIT O' AFTON, GLINT O' BRONZE, LI'L KITTY HAWK, LITTLE BLUE-
 BIRD, TIGER DOINGS, TIGER TERRITORY

HAGER, BEN R., 309 Best Road, South, Stockton, California 95206.
 BALKAN GLACIER, BURNING COALS, DELTA KING, FABLE, GOLDEN
 BONANZA, LA RASPA, MEDIA LUZ, MISTER, RUBY WINE, SPARKLING
 ROSE, WOODWIND

HALL, DR. C. C., Tanglewood, 17 Sollersshott West, Letchworth,
Herts, England.
TANGLEWOOD

HALL'S FLOWER GARDEN, R.R. 2, Box 104, West Alexandria, Ohio
45381.
Final Fling, Late Returns, Late Show, Many Moons, Purple Veil,
Shine Brite

HAMBLIN, MRS. J. R. (MELBA), 2778 West 5600 South, Roy, Utah
84067.
FAIRY FASHION, IVORY TOUCH, RADIANT SUN, THRESHOLD

HAMNER, BERNARD L., 1040 Perris Blvd., Perris, California 92370.
RED GUARD, ROYAL BELLE, STEP CHILD

HANNA, HARRY M., 126 West Middle Street, Burbank, Ohio 44214.
REBECCA LYNN

HARDY, MRS. JOHN F., 296 Hunsaker Lane, Eugene, Oregon 97402.
FORT ROCK, PIXIE PEOPLE, SISKIYOU TRAIL, WILDWOOD SPRITE

HAYS, MRS. GERTRUDE, 405 East Ash, Dodge City, Kansas 67801.
FREY, GARDEN GUEST, HOKEY

HAZZARD, A. H., 510 Grand Pre Ave., Kalamazoo, Michigan 49007.
ELEANOR'S CHOICE, ENCHANTMENT, INTREPID INGENUE, MAGNIFICENT
MAGIC, MAUVE MAJESTY

HENKELMAN, H. H., 4020 Linden Avenue, Fort Worth, Texas 76107.
NO BOW WOW

HERD'S IRIS GARDEN, Box 57, Jacksboro, Texas 76056.
Butterfly Baby

HERITAGE GARDENS, 206 Gale Street, Morrice, Michigan.
Rosalinda

HILDA'S IRIS GARDEN, 706 East Inyo Street, Tulare, Calif. 93274.
Alpine Yodler, Burnished Rose, Janet Diane, Monterey Bay, Tule
Sands, Tule Spice

HILDENBRANDT'S IRIS GARDEN, Star Route, Box 4, Lexington, Nebr.
68850.
Dee Jay, Just Plain Bill, Nebraska Centennial, Ronald Dean

HINKLE, GEORGIA MURPHEY, Route 4, Marion, Illinois 62959.
TEMPO

HITE, HARRY O., 517 South 10 Street, Goshen, Indiana 46526.
APRICOT CROWN, COPPER VALLEY, FRILLY DILLY, GOLDEN PARASOL,
PLUM DANCER, ROYAL DREAM

HOLDEN, JOHN, Route 1, Box 3770, Ridgecrest, California 93555.
ABOU BEN ADHEM, ARABIAN KNIGHT, DESERT GEM, IBERIAN GEM,
INDIGENT ARAB, SPICED COFFEE

HOWARD, MRS. THELMA, 7640 North 26 Street, Route 2, Kalamazoo,
Michigan 49004.
DONNA JUNE

HOWE, A. C., 81 Merrion Avenue, Stanmore, Middlesex, England.
CONSTANCE WEST, CURTAIN RAISER

HUGHES, TOM J., Route 1, Box 127-C1, Mansfield, Texas 76063.
DOLLY DEE, LEE ANN, STEVE HUGHES

HUNT, EUGENE A., Fallis, Oklahoma 74841.
ESTHER, THE QUEEN

IRISNOLL, Route 3, Box 363, Canby, Oregon 97013.
Evenfall, Flaxflower Blue, Floating Moon, Sacred Mountain,
Wide Lode

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CHAMORRA, CHAPARRAL, GRAND DESIGN

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Victoria, Australia.
KITTY JENKINS

JONES, BENNETT C., 5635 S.W. Boundary Street, Portland, Oregon
97221.
CLOUD CREST, CRYSTAL FLAME, FUCHSIA GEM, RAIN POOL, STAR BEAM
Apricot Royal, Blue Moss, Botany Bay, Bright Butterfly, Cherry
Garden, Light Cavalry, Merry Sunlight

JOHNSON, A. W., Private Bag, Tongala, Victoria, Australia.
LILLIAN ELIZABETH

JUDY, DR. FREDERICK R., 2627 South Stone, Spokane, Wash. 99203.
SUNRISE BUTTERCUP

JULANDER, DR. ODELL, 1709 West 1460 North, Provo, Utah 84601.
CONSTANCY, MIA MAID

KAMPS, LOUIS A., 1315 Western Ave., Northbrook, Illinois 60062.
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LITTLE LEMON

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ALMOST

KEMP, ALEAN B., 425 East 9 North, Logan, Utah 84321.
DANI GRACE, ROSEGAY

KENDALL, INEZ, Route 1, Boise, Idaho 83702.
SUN-SON

KEPPEL, Keith, 517 N. Anteros Avenue, Stockton, California 95205.
Preamble, Short Story

KNOCKE, DR. FREDERICK J., P. O. Box 13, Readington, N. J. 08870.
CREDIT CARD, DRAKE'S CHANNEL, SPACE SHIP, THRUWAY

KNOFF, MAYNARD C., Route 1, Box 18-B, Potter Valley, Calif. 95469.
POMOLITA, TOMKI

KNOFF IRIS GARDENS, Route 1, Box 18-B, Potter Valley, California
95469.
Arabeca, Gazoo, Launching Pad, Pomolita, Rock Mountain, Yokayo

KOLORIOT IRIS GARDENS, 303 North Third Street, Baldwyn, Miss.
38824.
Bolder, Halleluiah Miss, Kay Stults

KOOL ACRES NURSERY, 2382 Prospect & Upper Sandusky Pk., R.R. #3,
Marion, Ohio 44302.
Dark Planet, Evening Flight, Frisco Doll, Golden Palomino,
Hammer Bee, Julia M, Shadow Wave, Top Man

KUESEL, HARRY B., 19 Mary Lane, Greenvale, New York 11548.
BLUE LEMON, MINI-SAPPHIRE

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CENTENNIAL GOLD

LANDSEND GARDENS, 4326 Grandin Road Ext., Roanoke, Va. 24018.
 Chosen Beauty, Coral Kissed, Diamond Dust, Misty Paradise,
 Morning Echos, Southern Heritage, Teenager's Blush

LAUR, JOHN, R. R. 8, Dunnville, Ontario, Canada.
 JUDEAN STAR, VIOLET DELIGHT

LEAVITT, MELVIN A., P. O. Box 4, Old Highway, Whitehouse, New
 Jersey 08888.
 BLUE CHALICE, FIRETHORN, NAN ROGERS

LIVINGSTON, GEORGE A., Windswept Iris Gardens, R. 2, Earlville,
 Illinois 60518.
 WINDSWEPT FLAME

LONG'S GARDENS, P. O. Box 19, Boulder, Colorado 80302.
 Azure Apogee, Colorado Skies, Judges' Choice, Samoan Holiday

LORENZ, DAVID, 643 Crister Avenue, Chico, California 95926.
 BAY SHORE, CABARET, CARMEL VALLEY, CASINO ROYALE, DANCE BAND,
 FOX TROT, KINGSTON, MOONLIT WAVES, MOUNTAIN MEADOW, OCEAN
 BREEZE, OCEAN VIEW, SAUSALITO, SWINGER, TRADE WINDS

LUIHN, WALT, 523 Cherry Way, Hayward, California 94541.
 CALIENTE, ROYAL HERITAGE

LUSCOMBE, ERNEST G. B., at Higher Orchard, 20 Honiton Road,
 Exeter, Devonshire, England.
 JOYCE M. EDWARDS, PAULINE M. RICE

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 New Jersey 07675.
 CARLETON MacLEAN, GLEAM O' SUNSET, JAMIE BOY, LOCH INCH BLUE,
 SEA SORROW

MARKHAM, PETER C., Upland Avenue, Lunenburg, Mass. 01462.
 MESMER

MARKHAM, MRS. PETER C. (LYNN), Upland Avenue, Lunenburg, Mass.
 01462.
 HOT CANARY, MISTY

MARSH, JAMES E. and SEARCY, 3904 N. Ottawa Ave., Chicago, Ill.
 60634.
 Sky Harbor

MARTIN, MRS. DALE J. (TERESA), Route 7, Box 43, Medina, Ohio
 44256.
 AMY VERONICA, GREEN BUMBLE

MARX, WALTER, P. O. Box 38, Boring, Oregon 97009.
 CHERRY BLOSSOM TIME, COMEDIENNE, DARK SEA, FINISHED SYMPHONY,
 FOREVER MORE, GLORY TRAIL, HIGH ADVENTURE, HIGH CASCADES,
 MAGNOLIA BLOSSOM, MIST FALLS, MOONLIGHT WALTZ, OCEAN DEEP,
 PEPPER WINE, PRINCE REGENT, RED CHARGER, FOYAL FASCINATION,
 RUFFLED LILAC, TRIUMPHANT PINK

McCOWN, MRS. ELEANOR, P. O. Box 176, Holtville, California 92250.
 CANARY CAPRICE, IMPERIAL BURGUNDY

McLAIN, D. W., Box 96, Tenino, Washington 98598.
 DAFFODIL PARADE, FINE TOUCH, GOLDEN WIZARD, MINISKIRT, REGAL
 MANNER, SUPER GOLD

McLANE, SUE N., 1393 Yampa Avenue, Craig, Colorado 81625.
 PRETTY PERSEVERANCE

MELROSE GARDENS, 309 South Best Road, Stockton, California 95206.
Ad Astra, Belise, Confection, Dark Eyes, Enchanting Melody,
Final Touch, Lights of Paris, Patsy Jo, Regards, Suspense

MESA IRIS GARDENS, 3024 Mesa Road, Colorado Springs, Colo. 80904.
Colorado Melody

MISSION BELL GARDENS, 2778 West 5600, South, Roy, Utah 84067.
Blue Canary, Charmaine, Dusky Dancer, Janni, Music Hall

MISTY HILLS GARDENS, Eagle Bridge, New York 12057.
Becky, Bright Image, Grand Applause, Hot Sand, Misty Hills

MOGENSEN, NEIL A., 1620 Fillmore, Caldwell, Idaho 83605.
HEY JOE, LADY C, SANCTUS, WILLOW WATER

MOLDOVAN'S GARDENS, 38830 Detroit Road, Avon, Ohio 44011.
Crystal Blaze, Honesty, Impact, Medora, Pink Fringe, Tidesong

MOLDOVAN, STEVE C., 38830 Detroit Road, Avon, Ohio 44011.
GYPSY FIDDLER, MANDARIN PRINCESS, PUPPET SHOW

MOTSCH, ALBERT J., 600 South Pine, Mt. Prospect, Illinois 60056.
BLUE SPACE, FATIMA, MY DREAM

MUNGER, TOM JR., Route 2, No. 19 Woodlands, Enid, Okla. 73701.
CHEROKEE BRAVE, CHEROKEE PRINCESS, WOODLAND SHADOWS

NELSON, MRS. RALPH S. (JEANNETTE), 205 South 12 Street, Apt. 1,
Coeur d'Alene, Idaho 83814.
CATALDO, PACIFICA

NEUBERT, H. W., Route 6, Wayland Drive, Knoxville, Tenn. 37914.
FANTASY LAND, HUMDINGER, OH GEE, TUSSAH SILK

NEUBERT'S FLOWER GARDEN, RFD 6, Wayland Drive, Knoxville, Tenn.
37914.
Goodness Gracious, Katy Lucile, Midnight Dream, Pretty One

NEY, MRS. GEORGE, JR., 2517 South Brisbane Ave., Milwaukee, Wisc.
53207.
TOMTEBO

NICK'S IRIS AND PEONY GARDENS, Norfolk, Nebraska 68701.
Hidden Cargo, Norfolk Miss, Spunky Imp, White Candleglow,
Yellow Ribbon

NISWONGER, O. D., 822 Rodney Vista Blvd., Cape Girardeau, Mo.
63701.
RASPBERRY RIPPLES, SUPREME BLISS, TYCOON'S GOLD

NORTHWEST HYBRIDIZERS, c/o Mrs. Leona P. Mahood, 11250 First
Avenue, NW, Seattle, Washington 98177.
Little Shaver, Orchid Cherub, Pen Pal, Pale Wings

NOYD'S IRIS GARDEN, 1501 Fifth Street, Wenatchee, Wash. 98801.
Angel Lace, Knee High, Lines of Beauty, Overdue, Power and
Glory, Worthy

NOYD, MRS. WALTER E. (LUELLA), 1501 Fifth Street, Wenatchee,
Washington 98801.
COOL, FLEUR ADORE, HORNED SUNSHINE, IRISH DELIGHT, JOY RIDE,
KICK OFF, LOTTA CHARM

OLD BROOK GARDENS, 19 Mary Lane, Greenvale, New York 11548.
Annikins, Baby Shower, Celia Kay, Cool Perfection, Deirdre,
Dewful, Fall Blue Contrast, Irish Whisper, John Leslie, Lemon
Doll, Little Nannette, Magic Secret, Meditate, Mystic Mood,

Oasis, Ohio Deb, Orphan Annie, September Bouquet, Spicewood,
Tanolet, Tempie Dahlgren

OLSON, MARVIN G., 1549 Columbine Drive, Webster Groves, Mo.
63119.
Marshmallow

ORPINGTON NURSERIES, Rocky Lane, Gatton Park, Reigate, Surrey,
England.
Cumulus Ascendant, Lord Warden, Mabel Nicoll, Mandy Hall,
Marshlander, Mountain Tops, Sarkstone, Sugar Biscuit, Wheal
Towan

PALMER, MRS. RAY C., Route 1, Box 296, Weidmann Road, Manchester,
Mo. 63011.
DANCING SUNBEAM, SPRING LYRIC

PETERSON, LES, 1320 Murphy Lane, Salt Lake City, Utah 84106.
ARDI LOY, COUNTRY POET, GALA MADRID, SPRING ANTHEM

PHENIS, BRYCE, 1673 Calado Court, Campbell, California 95008.
GOOD TIMES, NEW HARMONY, TREASURE ROOM

PICKARD, MRS. CORA MAY, Tooth Acres, Benton, Illinois 62812.
EGYPTIAN PRINCE, GOLDEN COIN, MAN, MAN, PICORA'S DAUGHTER,
POINT CLEAR. 'Tis Midnight, Heavens Above, Redenyella

PILLEY'S GARDENS, Valley Center, California.
Tar River

PLOUGH, GORDON W., P. O. Box 117, Wenatchee, Washington 98801.
ALBINO PLUMES, AMBERITA, CHIEF MOSES, CITRUS MIST, COASTAL
WATERS, CORAL ICE, EXOTIC WINGS, FLARETTE, HOT SPELL, PAINTED
ANGEL, PUNCHLINE, QUETTA, RIBBONS OF BLUE, STUDY IN BLACK,
SUVA, SWEET LORRAINE, TROPIC TOUCH

POWELL, MRS. LOLETA K., Route 1, Princeton, North Carolina 27569.
CAROLINA DELIGHT, CAROLINA HOPE, CAROLINA POLKA, CAROLINA
TOPHAT, KOREAN KAPERS

POWELL'S GARDENS, Route 2, Princeton, North Carolina 27569.
Carolina Tophat

PROTZMANN, CLARENCE, 400 East Van Norman Avenue, Milwaukee, Wisc.
53207.
WISCONSIN HERITAGE

QUADROS, CARL A., 3224 Northstead Drive, Sacramento, Calif. 95833
KING'S COUNTRY, LITTLE SUSIE, MADEIRA BELLE, WHITE ENSEMBLE

REINHARDT, MRS. ROBERT (MATTIE), 14151 West National Avenue, New
Berlin, Wisconsin 53151.
Bold Heiress, Little Blackfoot, Peach Beauty, Rippling Waves,
Rushing Waters, Sweet Innocence

RIGGS, HARRY W., 211 N. Grinnell Street, Jackson, Mich. 49202.
ALICE NELL, BRENDA LEE, GRANT REX

RIVERDALE IRIS GARDENS, 7124 Riverdale Road, Minneapolis, Minn.
55430.
Glenzula, Minnesota Glitters, Pink Whistle

ROBERTS, EARL R., 3809 Rahke Road, Indianapolis, Indiana 46217.
ACCENTUATION, DOVE WINGS, WATERCOLOR. Blue Beret, Elfin Gold-
tone, French Wine, Half Crown, Pink Amber, Pixavar, Platinum
Gold, Royal Thrush

ROE, MRS. BERNICE R., 1051 Bird Avenue, San Jose, Calif. 95125.
SUNSET SHADOWS, WAVES AND FOAM

ROGERS, MARK E., 31933 Yucaipa Blvd., Yucaipa, Calif. 92399.
PICTURE PERFECT, SARACEN JEWEL, SARACEN PRINCE, SARACEN
SPLENDOR, SARACEN WARRIOR

ROSENFELS, RICHARD S., 2108 Cascade Avenue, Richland, Wash.
99352.
COMING UP, COOL PERFECTION, COTTONTAIL, DAWN'S HARBINGER,
FIRST NIGHT, IRISH WHISPER, SINGING SWORD

SAXTON, GLADYS, W45 Third Avenue, Apt. D, Spokane, Wash. 99204.
AZURE SNOW, GILDED PALOMINO, PRIMROSE LACE, RUSSET FRILLS,
SAPPHIRE VALLEY, SON OF PALOMINO

SCHAFER, HERBERT S., 1638 West Glen, Peoria, Illinois 61614.
RICHWOODS

SCHMELZER'S GARDEN, 731 Edgewood, Walla Walla, Washington 99362.
Eternal Love, Fond Memories, Lion of Judah, Pussycat, Wild
Harvest

SCHORTMAN'S IRIS GARDENS, 849 W. Putnam Avenue, Porterville,
California 93257.
Copperette, Dove in Flight, Op Art, Seeing Red

SCHORTMAN, W. B., 849 W. Putnam Ave., Porterville, Calif. 93257.
FLUTED ICE BLUE, GOLDEN MEMORIES, HAWAIIAN LOVE CALL

SCHREINER'S, Route 2, Box 297, Salem, Oregon 97303.
CHORDETTE, CRINKLED JOY, CURTAIN CALL, FIRE BALL, JOLIE, LILAC
SUPREME, PINK HORIZON, SUN MIRACLE, SUPERGLOW, TIJUANA BRASS,
WARD LORD, WILD RIVER, WINDSWEPT. Dream Time, Eternal Flame,
Nightside, Royal Touch

SENSENBACH, Cloyd F., 612 Berwick Street, White Haven, Pa. 18661.
EMERALD HAVEN, FIFTY FIFTY, LEHIGH BLUE, LEHIGH LINES, LEHIGH
WAVES, LILAC STAR, POCONO HAVEN, ROSE MORN, SNOW HAVEN

SEXTON, MRS. NEVA, 1709 Third Street, Wasco, California 93280.
GOLDEN SENSATION, MOONLIGHT AND ROSES

SHOOP, GEORGE A., 2009 N.E. Liberty Street, Portland, Oregon
97211.
BEHOLD, GYPSY RINGS, KISS 'N TELL, MAY DANCER, VIVA

SIERRA VIEW GARDENS, 643 Crister Ave., Chico, California 95926.
Cocoa Cream, Corning, Jai Alai, Judean Moon, Sierra Fawn, Tida
Apa

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CLARA SIMON

SINDT, DAVID B., 1517 West Ohio Street, Chicago, Illinois 60622.
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SPARKLE, TIGER BLAZE

SMITH, MRS. EVA T., 614 Bryden, Lewiston, Idaho 83501.
ALL SEASON, BLAZING FURY, CYCLONE, JUNE WEDDING, QUEEN'S
DELIGHT, RARE TREASURE

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Island, New York 10304.
Enigma, Young and Gay

SMITH, RAYMOND G., 3821 Sugar Lane, Bloomington, Indiana 47401.
AUTUMN ELEGANCE, AUTUMN NIGHT, G. PERCY BROWN, LACED DUET

SMITH, RAYMOND G., 3821 Sugar Lane, Bloomington, Indiana 47401.
Autumn Chameleon, Cloud Duet, Fall Majesty, Gold Doublet, Pink Duet, Yellow Duet

SMITH'S IRIS GARDENS, 614 Bryden, Lewiston, Idaho 83501.
Best Regards, Fond Wish, Gypsy Fire, Iris Corsage, Magic Hour, Sultan's Choice, Sultry

SOPER, EVA L., Wildings, Harmer Green Lane, Welwyn, Hergs, Eng.
GATES OF DAWN

SOUTHERN MEADOWS GARDEN, Walnut Hill Road, 1424 S. Perrine, Centralia, Illinois 62801.
Bewitched, Indian Head, Night Heron

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MISTY MOONLIGHT

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PACIFIC CHARMER, WESTERN QUEEN

STEPHENSON, MRS. CHARLES I. (RUTH), Box 3004, Westville Station, New Haven, Conn. 06515.
GWYNETH, HAZE, NOBBY, PIPPA PASSES

STOVER GARDENS, 7014 Fourth Ave., S., Minneapolis, Minn. 55423.
Miss Ruffles

STREET, STANLEY G., 11219 East 19 Street, Independence, Mo. 64052
GIRL WATCHER

STULTS, DR. C. M., 303 North Third St., Baldwyn, Miss. 38824.
BLANCHE MAC, SILVERSMITH

SWEARENGEN, C. A., Route 3, Box 136, Terre Haute, Indiana 47802.
LeCORDON BLEU, ORIENTAL TRACERY, OXBLOOD RUBY, PLUMED BEAUTY, VEINED AND BEAUTIFUL

SWEARENGEN IRIS GARDENS, Route 3, Box 136, Terre Haute, Indiana 47802.
LeCordon Bleu, Oriental Tracery, Oxblood Ruby, Plumed Beauty, Veined and Beautiful

TAYLOR, J. D., Boughs, St. Johns Road, Hythe, Kent, U. K.
CURLEW, LANDSCAPE

TELL'S IRIS GARDENS, 452 North 400 West, Orem, Utah 84057.
Bone China, Butterscotch Ripple, Constancy, Credit Card, Don Ricardo, Dove Song, Drake's Channel, Dusky Dancer, Enchanted Snow, Fiesta Bazaar, Flamingo Dawn, Gazoo, Golden Charmer, Irene Neece, Launching Pad, Mia Maid, Mint Parfait, Miss Ruffles, Orange Vista, Persian Market, Petit Point Pink, Pink Divinity, Platinum Gold, Rippled Gold, Sombrero Blanco, Space Ship, Sweet Violet, Thruway, Tonga Moon, Yokayo

TERRELL, COLLIE S., 916 Maple Avenue, Wasco, California 93280.
FLIGHT OF ANGELS

THOMAS, RAYMOND S., Box 155, Saltillo, Pa. 17253.
MISS SALTILLO

THOMPSON, MRS. ARTHUR W. (MAMIE), Route 5, Box 400, Henderson, North Carolina 28739.
AUNTIE MAME

THOMPSON, GEORGE, P. O. Box 38, Boring, Oregon 97009.
GOLDEN ICE

TIMBS, G. A., 2686 Saunders Settlement Road, Sanborn, New York 14132.
MARJORIE MAE, PERSIAN ROYAL, TURKEY WHITE

TIPTON, DR. MAUDE, 1719 Granville Ave., Bessemer, Alabama 35020.
KUTER STONE

TOLMAN, BION, 4399 Carol Jane Drive, Salt Lake City, Utah 84117.
FIESTA BAZAAR

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CANDY COUNTER, COOL RIVER, CURLY McQ, DISTANT DRUMS, GINGER-BREAD CASTLE, PALO DUROS, PEARLY WATERS, SILVER SANDS, STARBURST, TEXAS STORY

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STORMY WHIRL

VALLETTE, MRS. C. W., Box 154, Declo, Idaho 83323.
BROADMERE, DARK CLOUD, MONKEY BUSINESS, SNOWY MAJESTY

VAN DEXTER, MRS. N. ROWLAND (KATHRYN), RFD 1, Greensboro, Md. 21639.
MARYLAND LASS, NORDIC LIGHT, TIGRESS

VAN DUSEN IRIS GARDENS, Star Route, Descanso, California 92016.
Canary Caprice, Imperial Burgundy, Imperial Flight, Imperial Night

VAN VALKENBURGH, MRS. R. P., 212 Longwood Drive, SE, Huntsville, Alabama 35801.
Charlotte Sawyer

VARNER, D. STEVE, N. State Street Road, Monticello, Ill. 61856.
HATARI, UPPER ROOM

VORIS, CHARLES WM., RD 2, Watsontown, Pa. 17777.
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NEW YORK
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BULLETIN OF THE
American Iris Society

NUMBER 119 APRIL 1968

AMERICAN IRIS SOCIETY SHOW SUPPLIES

(THIS LIST SUPERSEDES ALL PREVIOUS LISTINGS)

P R E P A I D

Official show supplies of the American Iris Society are available from the American Iris Society, 2315 Tower Grove Boulevard, St. Louis, Missouri 63110. Please make checks payable to the American Iris Society. Show reports are to be mailed to William T. Bledsoe, Chairman Exhibition Committee, Route 4, Fayetteville, Tennessee 37334.

All orders are forwarded by prepaid parcel post.

1. **Handbook for Judges and Exhibitions**.....\$1.00 each
2. **Color classification, 1966 revision** 50 cents each
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 - C. Horticultural sweepstakes 1.00 each
 - D. Artistic sweepstakes 1.00 each
 - E. Seeding of Show Most Worthy of Introduction.....1.00 each
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 - F. Artistic sweepstakes, Junior Division.....65 cents each
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13. **Report and application for award.** One set in triplicate for a show. One copy to be mailed immediately after the show to Chairman, Exhibitions Committee; one copy to be mailed to the RVP; and the third copy to be retained for the club files.

THE BULLETIN of the AMERICAN IRIS SOCIETY

NO. 189

APRIL 1968

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The *Bulletin* is published quarterly by The American Iris Society. Publishing office 2315 Tower Grove Blvd., St. Louis, Mo. 63110. Second-class postage paid at St. Louis, Mo., and at additional mailing offices.

Communications regarding membership in the Society, advertising, and other items of business should be addressed to Mr. Clifford W. Benson, Executive Secretary, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

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All copy due in editor's office forty-five days before first of the month of publication.

The *Bulletin* is printed by The Livestock Press, Inc., 2830 "O" Street, Omaha, Nebraska 68107.

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The conditions under which a state or local iris society may become an Affiliate of AIS are—

1. Its officers and directors must be members of AIS.
2. Participation in the AIS registration and award system is required.
3. Societies having less than 50 percent of their members belonging to AIS and meeting the other conditions, will be required to pay an *annual* fee of \$25.00.

The names of societies given Affiliate status will be published in the AIS *Bulletin*. Inquiries and applications for affiliation should be addressed to Mr. Edward E. Varnum, 550 So. Princeton Ave., Villa Park, Ill. 60181.

TO SECRETARIES OF AFFILIATES: Please report promptly the names and addresses of new presidents to the Secretary and the Editor as well as to Mr. Varnum.

From The President's Desk

When this message arrives in the April Bulletin it will be spring here in Hinsdale, but now it is a cold quiet night; the thermometer reads zero; there are bright stars, a full moon and black pine shadows on the snow. At dusk the pheasants come in for the corn we spread and fly into the pines close to the house to roost for the night. We counted fourteen hens and seven cocks this evening. In the moonlight a rabbit hops across the garden to feed on the branches pruned from the trees, broken by the early snow in October. They have already stripped off most of the bark and we hope it will keep them from the other trees and shrubs. Before the last snow we had ten days of spring, and a pair of mallard ducks were in the creek which is now frozen over; and a pair of mourning doves were feeding on the doorstep. Beyond the pines is the iris garden and we wonder how they are after the thaw and later freeze, but it is too early to lift the mulch to see.

I am pleased to report that Jesse Wills has agreed to accept the appointment as Editor for the 50th Anniversary Bulletin. As Past President of AIS and his many years of membership, and assisted by the Co-Chairmen of Publications, Tom Jacoby and Art Nelson, and our Historian, Helen McCaughey, we can anticipate a worthy bulletin commemorating the fifty years of AIS being.

The good news that Bill Bledsoe is home from the hospital recovering from a heart attack and expects to be present at the convention in Berkeley is a great relief. As Chairman of Exhibitions and now Judges Training, the many classes conducted throughout the country have made our awards more meaningful and has upgraded the judging procedure. I am sure that we are all grateful for his time and effort and appreciate his dedication to a difficult task.

Numerous favorable comments have been received on the January Bulletin. Your Editor is making every effort to satisfy the varied interests of the members and always welcomes constructive suggestions. While it is difficult to please all members at all times, the problem is to have articles with emphasis on those that serve most members without neglecting the minority groups. It has been gratifying to see the increased interest in all of various classes, and I hope that many of our members will take advantage of the Seed Exchange List offered by the Iris Species Study Group and venture into new fields.

A special publication, a new and original monograph describing the

California irises, illustrated with color plates and full page drawings, has been published by the Species Group of the British Iris Society, and is available from the AIS Species Committee for one dollar. From Japan comes a letter from Dr. Shuichi Hirao with photos of their first show of tall bearded and rhizomatous irises and the growing interest in them. Lectures with slides were given at various times, and of the show he writes, "On May 16 to 21 an exhibition was held in Osaka under the auspices of Japan Iris Society. The newest tall bearded varieties of Mr. Horinaka, Director of J.I.S., were very beautiful. Many people crowded to see them and they were a sensation."

An ever present problem is membership, this being the problem not alone with AIS, but in reading the bulletins of other plant societies, I find that they also have the need for constant effort to attract new members. Dr. Hugo Wall, our new Membership Chairman, will need the help and co-operation of everyone in the Society so we will be able to show a healthy gain this year.

An award for the Society for Japanese irises has been financed and an appropriate trophy is under consideration, and will be called the Payne Award. The activation of this award and also that of the Reblooming Iris Society is arranged by the Awards Committee.

All foreign iris societies and individuals who were invited to participate in the proposed International Iris Symposium have been notified that due to the unsettled world conditions, all plans have been postponed for future consideration.

Due to the prolonged illness of Betty Rowe, the Youth Program has not progressed as we had hoped, but fortunately she has now regained her health to the extent that it will get under way. Much preliminary work has already been done. I am asking Larry Harder and Tony Willott to serve as additional members of the committee. If you have any ideas that may be helpful please let the chairman have them.

So now California calls us to Berkeley; we shall see you there.

HUBERT A. FISCHER

1968 Introduction

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August Shipment -:- NO catalog

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JUDGE AND MRS. GUY ROGERS OBSERVE GOLDEN WEDDING ANNIVERSARY

Judge and Mrs. Rogers in the Garden at Their Home. (Photo by Ev Long.)



Judge and Mrs. Guy Rogers, who were married Dec. 8, 1917, in Kyle, Texas, a town named for her grandfather, celebrated their anniversary with their two children. Judge Rogers is a past-president of AIS.

FROM WHENCE THESE BLUES

THE EDITORS

The garden popularity of the blue self class, in the range from full value through the light and the pale tints, is attested by the facts that nine of the thirty-five Dykes Medal winners are of this color class, that ten per cent of the 1967 Popularity Poll winners come from the same class, and that since 1955 about twelve percent of the AMs have been in this blue self class.

We began to speculate as to whether or not the trends in parentage of blues are as definite as they are in whites, and for the purposes of a study we selected the Dykes winners, the 1967 Symposium winners which are blue, and the blue AMs since 1955.

PACIFIC PANORAMA, Dykes '66, from SWAN BALLET X SOUTH PACIFIC, traces back twice each to PURISSIMA and GREAT LAKES, and shows the chain of GLORIOLE, CLOUD CASTLE, HELEN MCGREGOR and JANE PHILLIPS in its lineage. ELEANOR'S PRIDE, Dykes '61, traces back to the same GLORIOLE, CLOUD CASTLE, HELEN MCGREGOR, JANE PHILLIPS line on one side, and on the other to BLUE RHYTHM and SIERRA BLUE, both Dykes winners. BLUE SAPPHIRE, Dykes '58, has as one parent SNOW FLURRY, and for the other, CHIVALRY, from MISSOURI and GREAT LAKES, all three Dykes winners. BLUE RHYTHM, Dykes '50, comes from different lines, with the exception that SIERRA BLUE appears in its pedigree. HELEN MCGREGOR, Dykes '59, comes from PURISSIMA X CLOUD CASTLE, which is from SENSATION X GLORIOLE. CHIVALRY, Dykes '57, comes from two Dykes winners, MISSOURI X GREAT LAKES. GREAT LAKES, Dykes '42, MISSOURI, Dykes '37, and SIERRA BLUE, Dykes '35, are from the early recorded parents of the registered irises.

SKYWATCH, AM '67, shows the JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE strain three times in its pedigree, and GLORIOLE twice more, with GREAT LAKES twice, PURISSIMA and SPANISH PEAKS twice, and SNOW FLURRY, CASTALIA and CAHOKIA each once. HARBOR BLUE, AM '66, again shows the same JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE line, with GREAT LAKES appearing three times, and CASTALIA, CHIVALRY, SNOW FLURRY, and CAHOKIA appearing each once, and GLORIOLE a fourth time. MUSIC MAKER, AM '66, has GREAT LAKES appearing in its pedigree twice, and GLORIOLE, DISTANCE, SNOW FLURRY, BLUE VALLEY and PIERRE MENARD once each.

BLUE BARON, AM '65, again shows the JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE line; and shows the last three of these in another line, and the last two in still another line. It also has PURISSIMA and GREAT LAKES in its pedigree. HELEN TRAUBEL, AM '65, again shows twice the JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE line. It also shows PURISSIMA and GREAT LAKES twice, SPANISH PEAKS, CASTALIA and DISTANCE each once, and GLORIOLE one additional time.

HIGH ABOVE, AM '64, has SNOW FLURRY and GREAT LAKES twice in its pedigree, and REHOBETH and CHIVALRY once each. SPARKLING WATERS, AM '63, again shows the JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE line once, and the last three in another line in the pedi-

gree. It has GREAT LAKES three times in its pedigree, PURISSIMA twice, and CASTALIA, DISTANCE, CHIVALRY and CAHOKIA each once.

SYMPHONY has CAHOKIA and SNOW FLURRY in its pedigree. JEAN SIBELIUS has GLORIOLE twice, and PURISSIMA, CASTALIA, DISTANCE and GREAT LAKES each once.

MELISSA, AM '62, is a combination of SNOW FLURRY, Faught 19H and Hinkle blue lines; and DEMETRIA, AM '60, is the same with the introduction of PIERRE MENARD. GALILEE, AM '58, shows the HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE line, and CAHOKIA appears twice, with PURISSIMA and GREAT LAKES once each. LADY ROGERS, AM '58, again shows the HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE line, with PURISSIMA and GREAT LAKES appearing once each. SOUTH PACIFIC, AM '58, again shows the full line of JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE, with GREAT LAKES twice in its makeup and CAHOKIA once. HARBOR BLUE, AM '57, again shows the full line of JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE, with GREAT LAKES appearing three times, and PURISSIMA, DISTANCE, CHIVALRY, MISSOURI, and CASTALIA once each. REGINA MARIA, AM '57, is AZURE SKIES X PIERRE MENARD, while REHOBETH, AM '56, is a child of SNOW FLURRY, with GREAT LAKES appearing on the other side of the pedigree. SIERRA SKIES, AM '56, has three Dykes winners for grandparents, MISSOURI, GREAT LAKES and SIERRA BLUE.

FRANCES CRAIG, AM '55, is a SNOW FLURRY child with CAPITOLA as the other parent. LADY ILSE, AM '55, again carries the JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, GLORIOLE line, and GREAT LAKES appears twice in its pedigree.

One cannot help but be impressed with the number of times that the line of JANE PHILLIPS, HELEN MCGREGOR, CLOUD CASTLE, and GLORIOLE, combined with PURISSIMA as one of the parents of HELEN MCGREGOR, appears in the pedigrees of these leading blues. Likewise, one cannot fail to see that a small number of bloodlines appear with rather regular consistency in the lineage of the leading blues.

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BERNARD SCHREINER

Year after year the blue irises have *it*. They have been recipients of more Dykes Medals than any other color class. They have more representatives at the top of the Popularity Polls, the Judges Choice, the HM list, than any other color. It, indeed, looks as though blue iris must be well liked!

The modern blue iris covers a range of many hues of blue and apparently the color impression of blue varies with people. Unlike other color classes, there seems to be more debate as to just what constitutes blue in irises. I would like to give you my view of some of the famous blue irises, in their many color diversifications, as I see them.

SNOW FLURRY, one of the *giants* in a hybridizer's garden, had a great impact on blue iris development in the early '40's. BLUE SAPPHIRE, one of its progeny, was derived from SNOW FLURRY X CHIVALRY. CHIVALRY was another *giant* in blue iris evolution. There are probably more progeny of SNOW FLURRY with blues than any other variety, and Orville Fay also used SNOW FLURRY with his flamingo pink line. Others used SNOW FLURRY with their orchid-pinks. At one time we raised seedlings of SNOW FLURRY and BLACK FOREST. They were of interest, but not of the superiority an iris should have to merit introduction.

Again, after World War II, beautiful blue irises began to emerge from the use of that other "great", Jesse Wills' CHIVALRY, a beautiful blue with distinguished form and branching. And here, too, a Dykes Medal winner. Tom Craig used CHIVALRY to obtain MARY MCCLELLAN, Orville Fay to produce BIG GAME, Fred DeForest in attaining FIRST VIOLET, and Bill Schortman produced SIERRA SKIES by using it, all superb blues of great popularity.

While I will not here discuss the irises derived from an even earlier famous blue, mention should be made of this most important and famous iris from our Canadian neighbor, Mr. Cousins. The iris was GREAT LAKES and preceding CHIVALRY's presence it was an iris of great importance and an invaluable parent of many of the irises we are discussing here. No summary on blue iris would be complete without mention of GREAT LAKES' importance in the picture. Incidentally, it, too, was a Dykes Medal winner.

In New Hampshire Dr. Robert Graves, specializing in blue and white hybridizing, gave us HELEN MCGREGOR, a wonderful, very light blue. Then he combined it with seedling (PALE MOONLIGHT X GREAT LAKES) and even bluer JANE PHILLIPS was produced. Miss Eva Faught in Illinois got a "full house" out of one cross in producing CAHOKIA and PIERRE MENARD. Both are vitally important in the creation of today's blue irises and are still listed in some catalogs.

Kenneth Smith in New York developed his unique family of blue irises. We still treasure LADY ILSE highly. Like his near neighbor, Dr. Graves, Mr. Smith's breeding produced some fine blues, and some fine whites. SOUTHERN PACIFIC was one of his most popular blues while DR. BOB was the white so admired at the New Jersey convention.

With the possible exception of some of the very newest iris introductions, GALILEE, to my eye, is still one of the bluest. Orville Fay has achieved

wonders working in many color classes, from white to dark. His blues were always excellent and it would not surprise me to look back ten years hence and see GALILEE's genes a leading contributor of blue, as blue irises continue to evolve.

Another great contributor in the breeding of blue irises is Mrs. Georgia Hinkle. Her list of achievements is long and fine. SYMPHONY, DEMETRIA, MELISSA stand out, and, more recently, BRAVE VIKING. A close neighbor of Miss Faught, Mrs. Hinkle's breedings, in part, stemmed from the Faught irises.

In our work in this color class the two irises that put us on the blue trail were BLUE SAPPHIRE and HARBOR BLUE. BLUE SAPPHIRE won the Dykes Medal in 1958 and HARBOR BLUE was our yielding breeder. Using HARBOR BLUE with the lighter blues we produced SALEM, a very pure true blue, and SPARKLING WATERS, blue with a silvery sheen. Also ALPINE BLUE and SYLVAN STREAM. The very newest of the extremely light, delicate blues we have achieved are BLUE CHIFFON and SEA CAPTAIN. Along our path of progress in the blues we developed well-branched stems and a somewhat deeper color, as exemplified in PARISIAN BLUE. The most recent development in this line is WILD RIVER, a really sparkling iris.

Two outstanding derivatives attained from GALILEE are CRYSTAL BLUE and NORTH PACIFIC. These are two of my favorites—very blue. As I mentioned earlier, each person's eye sees blue a little differently, but to me these two irises are as blue as any I have seen. BLUE BARON is probably one of our very best for excellent branching and many buds. It is a darker shade of blue than usually visualized when we say blue iris, but still in the blue class.

The medium-dark shade of blue has always held great allure for us and we have made a conscious effort working towards this hue in our breeding program. The variety BLUE GLOW, introduced by Col. Nicholls in 1942, always appealed to us. It was remindful of that famous blue iris of the 1920's, MISSOURI, with its light brown hafts, but BLUE GLOW was a darker blue-purple, and it had decidedly brown hafts. I liked it because it was different. A dark seedling X BLUE GLOW gave us the dark blue-purple, KING'S CHOICE. This had a hint of brown in the haft again. Then taking KING'S CHOICE and crossing it with light blue BISCAY BAY gave us the blue with markedly brown hafts which we named TYROLEAN BLUE. Quite individual in color pattern are these blues with brown hafts.

Is it blue? Is it purple? I use the phrase marine blue. I refer to the color I saw when I first came upon a freshly opened blossom of ARABI PASHA. WHAT A COLOR! Naturally we started crossing with it, using PIERRE MENARD, BLUE ENSIGN and other deeper blues, and eventually produced and named an iris which was more blue and had somewhat less red in its tone than ARABI PASHA. We named this iris CATALINA. Truly smooth.

Next we come to the dark blues. Shall we call them blue or violet? PRINCE INDIGO is an example of a blue-violet self, from KING'S CHOICE X FIRST VIOLET. (FIRST VIOLET, in turn, goes back to CHIVALRY). Continuing, HIGH PRAISE, then, comes from BLUE MOUNTAINS and PRINCE INDIGO. It has good size and a novel beard, the same color as the flower with the beard tipped white, like frost. And finally ROYAL TOUCH, possibly the most intense marine violet with a fullness of petal breadth that seems to work

hand in hand with this particular family of rich deep dark blues. What an interesting stairway of color progression going back to ARABI PASHA and our great excitement upon seeing it for the first time.

And what is on the program now? We are making a special effort in the marine blues graduating into the darks. The blue irises on the whole, possess better form, stem and plant excellence than the "blacks". We crossed PRINCE INDIGO with a seedling which embodied the good branching and stem qualities of the mid-blues, or marine blues, and received MATINATA which will be introduced in 1968.

And working in depth a little further into the darkest blue-violet lines, we come to the darkest progression, to TUXEDO, which is a grandchild of that old time great show champion and Dykes Medal winner, VIOLET HARMONY.

Where do the blues go from here—bluer? darker? Some hybridizers are crossing them to white, some to lavenders, for subsequent new variations. As I mentioned earlier, each person's eye envisions a little different color when they look at a blue iris. And the longer you walk this earth and look at the heavens above and at the ever changing sky hues, you will pick this wonderful color in your iris, from the bluest mid-day sky to the deepest night hue. And because blue can be a controversial color definition-wise, being one hue to one person but another hue to a different person, we will probably always have excitingly different creations coming from blue iris. Why? Because one breeder will work in this direction and the next one will go in another direction. What an exciting, stimulating field to work in in iris hybridizing.

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Singing The Blues

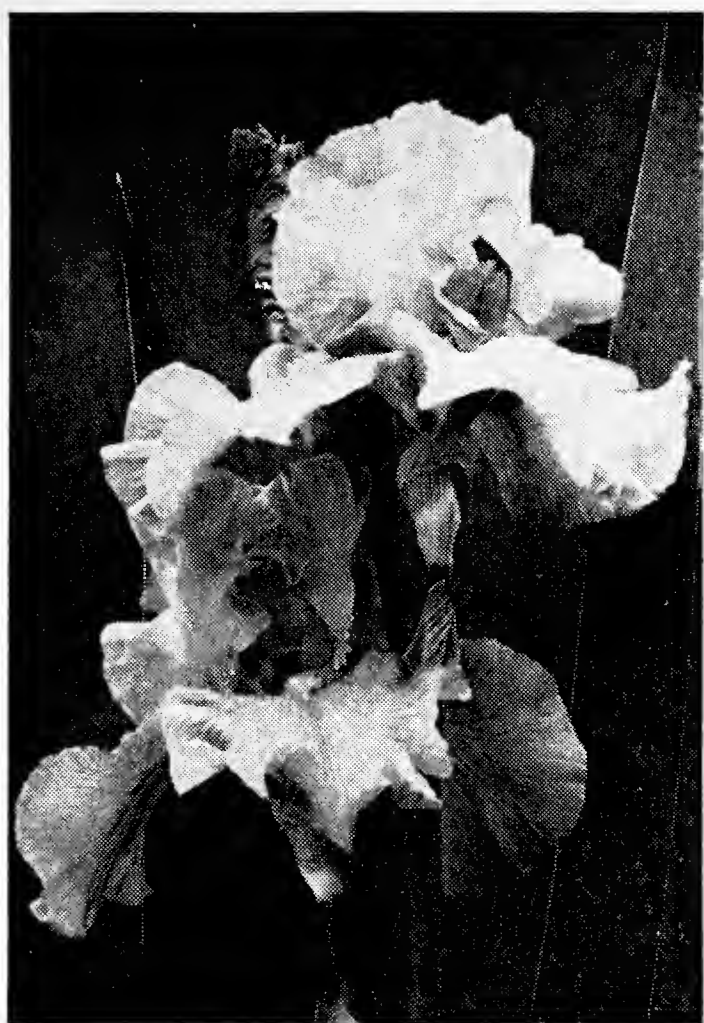
ART WATKINS

Our line breeding in blues started years ago (30 at least) when the late Dr. Robert J. Graves and the late Ed Watkins made up their minds to produce a blue—a blue with no purple in it (Ridgway Color Standards, Plate IX). Maybe I shouldn't say they made up their minds on a blue; maybe I should say either a blue or a white that was better than what they had—they were beginners. How many crosses they made and with what before they hit upon GLORIOLE and SENSATION I have no way of knowing. GLORIOLE was a fine iris, but Ed used to call it "Cal Coolidge" because often it didn't choose to bloom. Anyway, SENSATION was pollinated with GLORIOLE; one of the resulting seedlings became CLOUD CASTLE, the start of the blues.

The two tyros crossed PURISSIMA with CLOUD CASTLE. PURISSIMA hadn't been used much by hybridizers in the New England area, as it was thought to be "too tender". However, that cross produced HELEN MCGREGOR, winner of the Dykes in '49. I guess someone was doing something right, so the tyros became hybridizers and the blue line breeding continued. If we reviewed pedigrees of American Dykes Medal winners for the last 20 years, we would find at least four of them are progenies of blue line breeding. Another interesting factor that showed up in this project—cross breeding blues with whites developed some of the whitest whites—INVERNESS—the bluest blues—JANE PHILLIPS, LEGIONNAIRE, KIKI, ELEANOR'S PRIDE, BROTHER ED, GEORGE FOWLER.

Most of the Graves-Watkins crosses were made within our own blue line or that line found in another hybridizer's plant; example: JANE PHILLIPS was in Smith's LADY ILSE. LADY ILSE X ELEANOR'S PRIDE gave MT. REPOSE. The aim of any breeding is to eliminate faults in the best iris you have and that is best done in line breeding. The problem is to determine whether the fault is dominant or recessive, and the only way to find out is to study the plant and its pedigree before you hybridize. (Color slides are good study aids during the winter months.) Once you have selected the parents, make the same cross for at least three consecutive years; if the first cross shows prospects; keep making it indefinitely. Try the cross both ways; pollen from B on A (pod parent); then reverse it, A on B.

Above I have suggested you study the plant and its pedigree; but before that, if you are a beginner, you must know and be able to recognize characteristics that make an iris better or best. These characteristics have been listed again and again: vigor of plant, branching, substance, size and shape of flower. The flower must have broad falls and closed standards. Color, ruffles, lace, fluting or flair is the breeder's choice. To gain this knowledge the only way I know is to read and study all the iris articles you can find and talk with people who know. The iris people you meet on garden tours are of great value in this respect. Once you have the basic knowledge of what to look for, decide on what you want for your dream iris and go after it. I believe the fastest way to improvement is to start with an already established breed line; there are many of them. Don't be afraid to cross-breed with other established lines after due consideration. No matter what you do, it won't be a "happening" over night.



MOUNT REPOSE
(Watkins '64)



GEORGE FOWLER
(Watkins '64)

But IF you can face disaster—the iris borer, the soft rot, the early and late freezes, dry seasons, wet seasons, hail storms, wind storms, and carry on from there; if you have endurance to make a cross and wait two years to see the results; if you have enough fortitude to get rid of your inferior seedlings; if you can detect improvement even a little at a time; if you can organize and keep a record of your crosses and keep the seedlings labeled too; if you can set your course on what you want and not be diverted; if you can produce a little of that recessive charm, LUCK; if you have a credit card for fertilizer, pest control, weed control, etc.; if you don't join the "flower people" and produce iris with "twiggy" petals, "ministandards," "minifalls," dirty hafts, and great long bushy beards; if you start now before the computers take over—you'll have a hobby your whole life through. What's more you'll be singing the blues, the whites, the yellows, the browns and the coppers, and the red tones, too.

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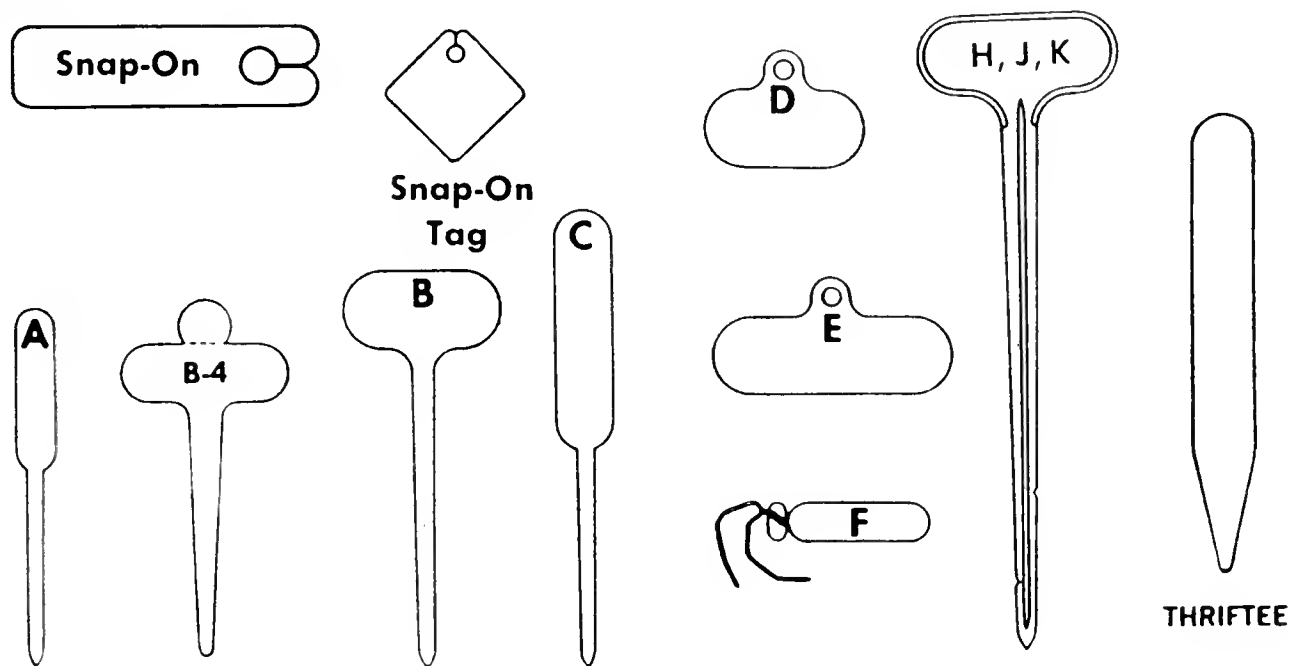
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THE BLUES HAVE MORE THAN JUST THEIR COLOR

LES PETERSON

There are blue skies. There are blue lakes and blue lagoons—and blue oceans and seas. And there is a wild blue yonder away up high where, if you are a good pilot, an astronaut or an air traveler, you can go to look down upon this seemingly crazy world of ours and laugh at it—or feel sorry for it. But maybe it isn't the fault of the world; perhaps we shouldn't blame the world for the condition it appears to be in as much as we should blame the people who live, or try to live, upon it. People seem difficult to please; most of them seem not entirely satisfied with the existing status quo. There is a minority that prefers to protest and denounce. However, the majority wants changes made in the name or interest of progress. "Mom" Nature has done a most remarkable work in scenic grandeur: the majestic mountains, the wide rivers, the green forests, the flowers, the birds to sing, the trees for the breezes to whisper through. But progress still demands more changes—more advancement—and people seem ready, willing and eager to cooperate or participate. This change craze isn't new. It has been with us since the beginning of time. The reason it is more prevalent today is because there are so many more people aware of it.

And iris people are equally wantful of changes. The iris gardener wants and seeks newness for his or her garden. Those who hybridize—be they amateur or expert—are mindful of this need, this want for newness. They hold a restlessness within their minds that keeps them striving eagerly and diligently to produce and provide. Irises of all types and classes—irises of every color and hue are being encompassed, crossed and back-crossed and re-crossed in their plannings for the improvement and betterment of the iris heart desires and fancies. However, the tall bearded blues seem to have made greater strides forward in their ability, their power to perform as top award winners. True, there appears to be some room for argument here, but hardly is there sufficient reason when one pauses to reflect upon the blues in this respect. This trait—this characteristic is barely short of phenomenal.

The Dykes Medal is the highest honor that can come to an iris. Forty-one years ago, in 1927, this topmost award was activated. Since that time there have been thirty-five presentations made to irises worthy of receiving this award. There have been six years when no award was made. Quite likely most of us know why, but for the benefit of a few who may not, this comes about when an insufficient number of votes are cast for an eligible iris, or where a tie in the voting occurs. During the first eight years of existence of this highly esteemed award, only four irises were honored. There were four years when the award was voided or not made because of stipulated rules. In 1935 the first blue iris to achieve this top distinction was SIERRA BLUE, a tall, stately and pleasing accomplishment of Dr. E. O. Essig, a noted hybridizer of that earlier day. Two years later, in 1937, the second blue iris to be honored with the Dykes Medal was the lovely medium deep blue MISSOURI from J. H.

Grinter, another prominent hybridizer of that time period. Five years later, in 1942, the third blue iris to become a Dykes Medalist was GREAT LAKES, a clear medium blue of pleasing appearance and quality from that originator of new irises, L. W. Cousins. These three blues proved themselves to be worthy parents. In the garden workshop of Jesse Wills, a cross between MISSOURI and GREAT LAKES produced CHIVALRY, an attractively ruffled medium blue that still another five years later, in 1947, became the fourth iris of this color to win the Dykes Award. However, one year prior to the CHIVALRY triumph another "no award" year occurred because of a tie voting between DAYBREAK and OLA KALA. OLA KALA, not to be outclassed or deprived of this highest honor, promptly stepped in behind CHIVALRY one year later to claim this coveted award. It seems we did need some rich, golden sunshine sprinkled amid all this heavenly blue, because in the two years following two more captivating blues, HELEN MCGREGOR by Robert Graves, in 1949, and BLUE RHYTHM, by Agnes Whiting, in 1950, were rightly chosen to become the fifth and sixth blues of Dykes Medal fame. Eight years passed, as time has the habit of doing, and then, in 1958, Schreiner's BLUE SAPPHIRE, a light silvery blue colored garden jewel became the lucky seventh blue iris to step into the Dykes Medal spotlight. Another two years hurried by and 1960 brought the final "no award" intermission into this four decade span of time. In this year there also occurred a confusing situation wherein ELEANOR'S PRIDE received the highest number of votes cast, but which did not amount to the required fifteen percent. A runoff brought about a tie between ELEANOR'S PRIDE and TECHNY CHIMES, resulting in the no award predicament. (see AIS Bulletin #159 for October 1960). However, the persistent and delightfully pleasing ELEANOR'S PRIDE, an Ed and Art Watkins origination, made a comeback in 1961 and was definitely declared the eighth blue iris to win the Dykes Medal. That was all until four years later, in 1965, when the beautiful sea blue, fluted and ruffled PACIFIC PANORAMA by Neva Sexton became the ninth proud possessor of the Dykes. Unless, perhaps, we choose to include the 1964 winner ALLEGIANCE, by Paul Cook. Some of us may think it too dark to be classed as a blue; anyhow, let's not have the blues appearing too selfish. Nine wins out of thirty-five Dykes Medal presentations seems to be a mighty impressive accomplishment. No other color class appears in close proximity—in close running as a competitor.

It would likely be thought folly—there could be no good purpose served in going back these many years to list all the blue Award of Merit winners in conjunction with Dykes Medalists of this same color. The years 1960 through 1967 should suffice. Alphabetically listed, these blues have been Award of Merit recipients during the past eight years: BLUE BARON (Schreiners 1965)—CROSS COUNTRY (Dr. J. F. Knocke 1966)—DEMETRIA (Hinkle 1960)—HELEN TRAUBEL (Cliff Benson 1965)—HIGH ABOVE (DeForest 1964)—JEAN SIBELIUS (Cliff Benson 1962)—MELISSA (Mrs. W. J. Hinkle 1962)—MUSIC MAKER (D. Waters 1966)—PACIFIC PANORAMA (Neva Sexton 1963—also Dykes 1965)—SKYWATCH (C. Benson 1967)—SPARKLING WATERS (Schreiners 1965)—SYMPHONY (Georgia Hinkle 1963). Note, PACIFIC PANORAMA won the Dykes Medal in 1965. No doubt others in this group will eventually be so honored.

A galaxy of new stars is appearing in the iris firmament. As yet, some are just a glimmer; others are beginning to shine brightly. As we scan the horizon we see such sky colored twinklers as AZURE APOGEE (Dr. John Durrance). This iris was winner of President's Cup at Denver 1967, a right start in the right direction toward that right worthy win, the Dykes Medal. Next, BEATRICE JOYNT (Zurbrigg 1965)—BLUE BALLAD (Dr. Chas. E. Branch 1962)—BLUE BAYOU (Gordon Plough 1966)—BRISTOL GEM (Mel Leavitt 1964)—BROTHER ED (A. Watkins 1965)—CAROLINA SKY (L. Powell 1965)—CRYSTAL BLUE (Schreiners 1964)—CRYSTAL RIVER (Plough 1964)—ELLEN MANOR (Blocher 1962)—KILLARNEY WATERS (Buttrick 1962)—SEABORNE (Dorothy Palmer 1963)—SILVER SKIES (G. Corlew 1965)—SILVER TRAIL (Opal Brown 1964)—SKY HARBOR (J. Marsh 1966)—TIDELANDS (Buttrick 1961)—TRITON (Julander 1962)—WENATCHEE SKIES (Luella Noyd 1963).*

**(Year here sometimes refers to that of Registration).*

As in other high award categories, a large percentage of the blues hold pleasing and prolonged positions on the Popularity Poll. And definitely—but most definitely—as is shown in this discourse on the blues, the vast majority of blue irises have descended from PURISSIMA and SNOW FLURRY. Many of the blues have carried along the parental abilities of these two fine irises and they too have gone on to prove themselves successful progenitors. Just how long this influence can or will exert itself remains to be seen. This trait may eventually weaken or diminish as more and more crosses are brought into the buildup of newer strains. Some have the opinion that it will carry over indefinitely. Perhaps someone someday will conduct a series of tests to determine the accuracy or inaccuracy of this belief.

We might say the rise or progress of the blues hasn't been exactly "suddenlike" or comparable to a Cinderella story; it has perhaps been more like a fairy tale come true. From the beginning their success or their advancement could be said to be consistent—perhaps really consistent. And the blues do seem to offer the hopeful hybridizer his or her best chance of producing an iris with Dykes Medal potentiality.

With so many good blues finding their way into the channels of recognition, it may be feasible and practical to establish and activate a *Best Blue of the Year Cup or Award*. It should provide a deeper interest—a keener insight into the colorful life of the blue flag—oops! —Excuse it, please—The Blue Iris. Our Websters define the blue flag as any species of blue iris, and also tell us it is the State flower of Tennessee.

Yes, the blues DO have something more than just their color. They have THAT personality—THAT individuality—THAT distinctiveness—and they have, as do most of the worthy whites, that strong parental support of those two incredibly fine white irises, as mentioned before, PURISSIMA and SNOW FLURRY. With this rare and valued asset, their qualification for achievement is assured.

There'll be no blue Mondays—no gloomy Tuesdays or cloudy weekdays. Every day will be sunshine and Sunday when you have Bluebuds, or, if you prefer, Bluebirds of Happiness bursting with songful blue beauty everywhere throughout your gardens or iris patches at blossom time—and your dreams will never grow older than Spring.

THIS IS WHAT'S NEW

FOR 1968

CHERUB CHOIR

\$25.00

A distinctively different iris combining white and a clear, bright pink that is completely free of distracting yellow undertones. Basically white, the standards are texture veined with pink and the falls are the same shade of pink lightening to white at the center. Visible portion of the beard is white, changing to soft tangerine deep in the heart of the flower. The broad, heavily ruffled petals are lightly touched with lace. Well-branched stalks carry three buds per socket. Fertile both ways. 32". Midseason. Seedling #341-5A. SIGNATURE X ONE DESIRE. HC 1967

FRANCISCAN FRIAR

\$25.00

Stately golden yellow with a clean white area in the falls. The well-held standards and flaring falls are enhanced by light ruffling. Hafts bear a very faint peppering of light brown in evidence of the plicata background. Superb branching displays three or more open flowers to perfection. A rapid increaser with handsome purple foliage. Extremely fertile, either as a pod or pollen parent. 34". Early to midseason. Seedling #198-5A. MEMPHIS LASS X IRMA MELROSE. HC 1966

TECATE

\$20.00

This border plicata bears the name of a California border town. The white standards are evenly sanded with rosy-violet and the clean falls are precisely edged with markings of the same tone. A white beard complements the fresh crispness of the blooms. Foliage is low and in good proportion with the stalk and bloom size. Has shown a consistent tendency for fall bloom in our California climate. Not tested for fertility. 22-24". Early to midseason. Seedling #235-5A. TAHOLAH X MEMPHIS LASS.

FROM

The Cherry Lane Gardens
of Glenn F. Corlew

2988 Cherry Lane
Walnut Creek, California
94596

THE BEAUTIFUL BLUE IRIS

OREN E. CAMPBELL

Recently, a group of our iris friends viewed slides of the newer irises that were loaned to us by a hybridizer. After the showing, one lady commented, "I think that blue must be my favorite color, because each year I buy more and more blue irises."

Webster defines blue as "Any one of the several colors the hue of which is or resembles that of the zenith of the clear sky; any color in that portion of the color spectrum lying between green and violet. So with the wide range of blue irises we have the cool icy blues through the cerulean blues on to the rich marine and sea blues that produce a symphony of colors that are probably unmatched in the iris kingdom.

One only has to check the list of Dykes Medals that were awarded to blue irises to appreciate the popularity of this color. This color is especially valuable in landscaping because of its ability to blend and complement the other colors. They will tone down some of the harsher colors and make the pastels even more vivid.

The January issue of the AIS Bulletin mentioned several varieties of blue irises that were instrumental in the development of the whites. So the blues are not only beautiful, but carry the genes to produce colors other than blue. However, I will leave the subject of genes and chromosomes to the experts on hybridizing.

To fully realize the progress that has been made in the past ten years in the improvement of our favorite flower, one should look at pictures or slides of the favorites in that era. Many had narrow, tucked falls; colors were dirty, with unsightly hafts, poor branching, tissue paper substance, and by today's standards, they would be classed as bow-wows. In their day, however, their beauty was enough to make one catch his breath.

The hybridizers of today (and they are too many to even mention a few) are correcting many of the faults of the previous era. They have improved the form, branching, colors, bud count, substance, and have given us a choice of beard colors from white up to blue, brown, tangerine, and are now on the threshold of a red beard. Of course there are still being introduced some that must be well labeled to be distinguished from many other blues.

Our personal likes and dislikes will dictate what we like best in an iris, but if we will avail ourselves of every opportunity to see the newer introductions, we can find those that appeal to us the most. There are many ways that we can improve our knowledge of our favorite flower. If time and funds are available, attend the annual AIS conventions. There you will be privileged to see many hundreds of newer varieties. In every area, there are those who grow good irises. Plan to see as many of these gardens as possible. Join a Robin and exchange comments with others in another section. Colored slides are available from AIS which will give you an idea of what is being developed. You, of course, can think of other ways, such as the many excellent color catalogs.

You may think that I have been referring only to the tall bearded irises. This is not the case, for improvement has been great in the blues of the other classes of irises.

MISSION BELL GARDENS

INTRODUCTIONS FOR 1968

CALIENTE (Walt Luihn). ML. 38". Brilliant wine-red of exceptional smoothness and clarity of color, highlighted by a heavy beard of antique gold. The standards are domed and the wide flaring falls have a jaunty lilt. Strong stalks with superb branching and prolific bud count. ((Tompkins 54-173 x BANG) x (ORIENTAL GLORY x HUNTSMAN)) X FORWARD MARCH. Sdlg. 64-9. HC '66 Net \$25.00

JEWELLED FLIGHT (Hamblen). ML. 30". Gardenia textured milky white with a mini edge of gold lace on all petals and gold-brushed hafts. Showy nasturium red beard. Domed standards; broad, horizontally flared falls. Heavy stalks with fair branching and height. MAZATLAN X CORABAND sib. Sdlg. H61-48. HC '66 Net. 20.00

RADIANT SUN (Hamblen). M. 36". Broad petaled, ruffled buttercup yellow with a tangerine-orange beard. The flaring arched falls lighten in the beard area. Strong stalks with good branching and bud count. (VALIMAR sib x GRADUATION GIFT) X ((VALIMAR sib x G. AMBER sib) x Gaulter's 57-44: (FRANCES KENT x TEMPLE BELLS)). Sdlg. H61-109. HC '67. Net \$25.00

RASPBERRY PARFAIT (C. E. McCaughey). ML. 28". Beautifully formed raspberry-pink with wide lacy petals and light ruffling. The standards have a blush of peaches and cream; the falls deepen to orchid-lilac. Sturdy, many budded stalks; not quite tall enough for the "standard" tall bearded class; but belonging here, none the less, because of other qualifying characteristics. Ideal for the front of the border and wind-swept areas. Parentage unknown. HC '62 and '67. Net \$20.00

THRESHOLD (Hamblen). EM. 34". Gracefully ruffled, wide petaled, lilting lobelia blue-violet with a complimentary red-orange beard accentuated by a lighter area of color in the fall center. Full domed standards; arched flaring falls. Smooth finish. Fine branching and bud count. From involved "pink x blue" breeding; complete pedigree will be in our catalog. Sdlg. H63-86A. HC '67. Net \$25.00

STANDARD DWARF BEARDED

IVORY TOUCH (Hamblen). ML. 10". Beautifully formed creamy white with gold midribs and gold whiskering on the fall petals. Lemon beard tipped white. BARIA X CELESTIAL GLORY. Sdlg. M63-2. \$5.00

INTERMEDIATES — Co-introduced with Mr. Z. G. Benson

TEKO (Benson). EML. 16". Sulphur yellow standards; falls deeper at haft. Deep orange beard. Lovely rounded form with flaring falls. ZING X FRENCH. Sdlg. 109-5. \$5.00

TEX-O (Benson). EM. 16". Old gold self with wide round petals; closed standards, flaring falls with darker toned hafts. Bronzy brown beard. Has pollen. Both this and its sib, TEK O, have given an outstanding performance in Roy for the past two seasons. Sdlg. 109-4. \$5.00

Ample stock of these two permits low introductory price of \$5.00 each or both for \$7.50.

Select "bonus" plants from our free catalog, available May 1.

MISSION BELL GARDENS

Melba and Jim Hamblen

2778 West 5600 South

Roy, Utah 84067

FAVORITE BLUES

ELSIE ZUERCHER

MUSIC MAKER has been at the top of my list of favorite blue irises since I first saw it in bloom as a first year seedling. Every year when I visit Don Waters' garden in Elmore MUSIC MAKER is out-performing any other blue in the garden. In color it approaches true blue, the tint of a summer sky on a cloudless June day. There is no white area around the beard to break the color effect, and it is practically non-fading. From the time the bud begins to expand (it takes almost two full days to expand to its full majestic proportions) until it begins to fold (often until the fifth day), the color is the same sky blue. No picture I have seen has done justice to the perfection of its smoothly ruffled form. I could sit for hours on the cool stone bench with the fragrance of the box around me and find no fault with it. While not extremely tall, the bloom is always above the foliage, which is of moderate proportions. While the plant increases well and sends up numerous bloomstalks, it still remains a plant in harmony with average garden size. Because the blooms open individually on the stalk over so long a time, and because each bloom lasts so long, MUSIC MAKER blooms over as long a season as many varieties with many more buds.

At the other end of the range color-wise is the deep, deep blue of Cora Pickard's 1967 introduction, 'TIS MIDNIGHT. It is similar in color to ALLEGIANCE, but the bright, deep blue beard adds richness to its finish. It is somewhat larger and more ruffled than ALLEGIANCE. Mrs. Pickard classifies it as "gentian blue."

In the convention gardens I liked AZURE APOGEE. As I recall, the blue is a little more intense than that of BLUE SAPPHIRE, and its color is enhanced by the rich velvety deep blue beard on slipper-satin falls. In color and beard it was very like SAPPHIRE FUZZ, yet the two varieties had distinct personalities. AZURE APOGEE, with straight, erect stalks, precisely placed bloom, closely domed standards (conical in shape), and the stiffly flared and ruffled falls reminds one of a dainty ballet dancer. SAPPHIRE FUZZ grew with stalks and blooms both a little wind-blown in effect—more the full-blown gypsy without the garish costume. The flowers of the latter are slightly larger. AZURE APOGEE's bloom was of average size, but carried four open flowers on a stalk. If this is characteristic, it should make an ideal show stalk. I am anxious to see over how long a period the clump will bloom, and whether it will send up enough stalks to compensate for so many opening at once. The rhizome I received last summer has sent up no increase for next year. However, blooms seem to have excellent substance and are probably long-lasting. On the second day of the meeting, after a torrential rain, the blooms were still in just as good condition as on Wednesday afternoon.

Steve Moldovan has two blues that I liked very much. HONESTY, introduced this year, is a very clean light blue self, a little paler around the white beard. It has the ruffling characteristic of most of Steve's selections, has an excellent stalk, enough buds, and is reported to be a strong grower. As with most of my choices, the standards are domed and falls flared. Steve is so exacting in his requirements for introduction that any variety he sponsors is sure to be an excellent one.

SEVEN LEAGUES may be introduced next spring if stock permits. Steve describes it as having violet-blue standards and falls of violet overlaid turquoise-blue. Like its pollen parent, STERLING SILVER, it is very ruffled. It is distinctive both for the color tone and form. My notes show it a "bull's eye", my mark for a "must."

Speaking of notes, mine are usually quite scanty. I get so enthralled with just looking that I forget to make any notes! Colors are so hard to describe, and I don't especially believe in bud-counting. An iris with five buds is quite acceptable to me *if* the plant increases well and sends up lots of bloom-stalks to compensate for fewer buds, or *if* the substance is such that the blooms last over several days. Nor do I insist that all stalks be tall. Sometimes I think large blooms look better on stalks not too tall if they are well-placed and open without crowding well above the foliage.

But back to the blues! Let's start again with the light blues. AIR DE BALLET (Benson 1965) is in the same general class as SPRING VALLEY and SPARKLING WATERS. If it grows as vigorously and blooms as profusely as these two, I shall very reluctantly let them be supplanted in my garden, for space is lacking and AIR DE BALLET has a much cleaner flower than either of these.

I was disappointed that ELLEN MANOR failed to get an AM this year, for it has proved to be a dependable and beautiful blue in all seasons. There are so many good blues that I suppose some must be overlooked, but this and DIVINE BLUE are two of my favorites. DIVINE BLUE is a very late variety, blooming from midseason until almost all the others are gone. One can always depend upon it sending up a heavy crop of stalks every year, and is, as its name says, a divine blue—very broad, extremely blue, and of a different texture that one might describe as like a good piece of porcelain.

Another blue that has been sadly neglected in varietal comments and is listed in very few catalogs is TIDELANDS (Buttrick '62). This has been one of the finest medium blues I have seen. Four-way branched stems carry large, gracefully ruffled blooms with a substance that defies both cold and heat.

BABBLING BROOK (Keppel 1966) is a light blue that is described as "French Blue." It is distinguished not so much for its color nor for its sharply flared bloom gracefully carried on good stems, but for the pronounced texture veining in the same blue color of the flower. Some do not care for veining, but it gives this iris distinction and a slightly exotic appearance.

Emma Cook introduced one of Paul's *imbricata* line (*Imbricata* line X ECSTATIC NIGHT) this year. Emma describes this as having wisteria-violet standards deepening to soft bluish violet in the center, and white falls. This is just the opposite of AVIS (Steve Varner 1966) with its violet standards and white falls tinted light violet. In both, the color radiating from the heart of the flower seems the distinguishing feature. Both give a blue effect in the garden.

Then there is Cliff Benson's celebrated SKYWATCH, the lavender-blue with the perfect stem and perfect form. The color is not distinctive and it is proving to be a rather slow increaser, but it is already proving itself as the parent of some excellent irises. DASHING PRINCE (Benson '65) opens four metallic steel blue flowers on strong stalks. DISTANT HILLS (James

Marsh 1965) is my favorite deep true blue. I like it for the very wide hafted petals as well as for its fine color.

I could go on and on, for the good blues are legion. ALICE BLUE GOWN is as blue as one can find when the soil and weather suits it. BLUE BALLAD is deeply ruffled and very wide hafted. CROSS COUNTRY has wonderful substance and grows like a weed, but its prominent white haft marks make it seem a little coarse to the perfectionist. HEAVEN ON EARTH has a slight greenish tint to the blue; SEABORNE has a lavender tint; U.S.S. CONCORD is a deep dark blue that blooms very late in the season, (a good mate for DIVINE BLUE that precedes it a little and is a sky blue). WENATCHEE SKIES, BLUE MOUNTAINS, BROTHER ED, MOUNT REPOSE, KILLARNEY WATERS, and HARLAN are others that I find good blues.

One always finds an iris just beyond one's reach! I am looking forward to seeing Cliff Benson's TWENTY FATHOMS which Steve Moldovan described in his 1966 catalog. Somehow I missed seeing it in 1967 and my mouth waters as I read "a perfectly smooth self of very clear and very near true medium-blue, without texture veining or other markings. It is an extremely large flower with very wide, perfectly round petals which are somewhat reminiscent of its parent (SKYWATCH). This classically shaped flower is produced on widely branched, show-type stems which also boast a high bud count, just like its parent." The piggy bank is pretty low, but maybe it will grow by the time the lists are out! Doesn't this sound like a dream come true?



Repeat of a Sell-Out!
1967 INTRODUCTION
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(Anytime X Whole Cloth)

A very wide, wide crisp flaring white self, enhanced by a clean bright gold washing at the haft area, with matching gold beard. The lightly ruffled large, beautifully formed, heavy-substanced flowers are nicely spaced on sturdy, straight bloomstalks. Blooms heavily over a long period. 36 inch. Early-Midseason. Sdlg. 61-7A. HC '62. Net \$22.50

*A proven parent producing wide-hafted,
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**All rhizomes large enough
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Excellent increase and good growing habits have provided a limited stock of large rhizomes for distribution this year.

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- PURPLE DUET. Flaring, heavily substantced solid purple\$10.00
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- All six of the irises immediately above for\$40.00
- Any three for\$22.50
-

No further discounts, trades, guests, and nothing else for sale. For best results rebloomers should be purchased in June and early July. Peak bloom here is about May 10 and October 20. Write: Raymond G. Smith, 3821 Sugar Lane, Bloomington, Indiana 47401.

HYBRIDIZING

LARRY GAULTER



The Gaulters' Garden Gate

In writing this little article on hybridizing, I had hoped to convey a message of comfort to the amateur hybridizer, and to assure him that once he gets the hang of it, he too can produce good irises with very little pain. I base the article on my own modest experiences, and had even picked a title for it, "How to Succeed in Hybridizing Without Really Trying." However, I had barely gotten into it before I realized that a more appropriate title might be, "How to Hybridize Without Really Succeeding," or better yet, "My Thirty Years in a Quandary and How It Grew."

Looking back over the years to some of the first crosses, I can see that I was lacking in several basic requirements. Garden space for one thing; imagination and knowledge of basic genetics, to name only a few. I remember well the first cross I made. I should; it took me years to overcome the handicap. At the time, I seemed to like the subtle, off-beat shades; and I crossed ARETHUSA, a sort of greyish plum colored iris, with BEOTIE. BEOTIE was described in Cayeux's catalog as a beauty, having shades of elephant gray. I bloomed perhaps fifty seedlings from this cross, all variations of color of the two parents, only duller. I could hardly part with any of them for several years, and then only when I had failed to convince even the rankest amateur of their beauty.

However, before I had parted with the last of them, I conceived an even

more brilliant idea. I crossed my best blue with my best yellow, expecting to obtain a green. It worked with paint, so why not with irises. The result was a batch of plum, yellowed grays, and so of course this line had to be mated with my first line. This combination gave me a corner on the market for the dull, for which there wasn't any. I could go on for pages with other brilliant crossings that turned out as well or worse.

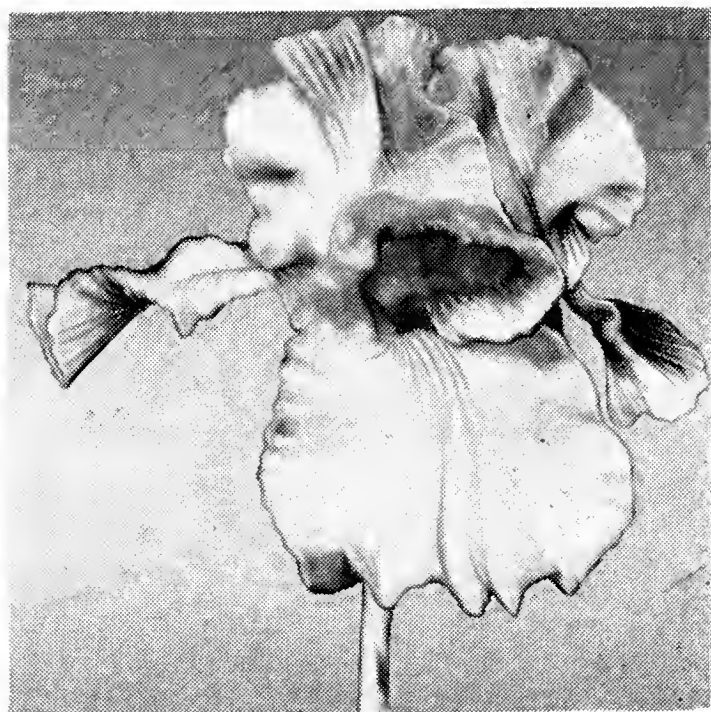
A few things that I have learned since these first crosses I should pass along so that years of frustration and back breaking garden work may be avoided. Visit as many established hybridizers' gardens as possible, and as often as possible. The results of their lines of breeding are evident, and the majority of them are happy to share their experiences and to offer suggestions. Buy or borrow a book on basic genetics. Remember, the same genetic principles apply to all living things. Many years ago it was said that one seedling in a thousand might be worthy of introduction. However, parentages are so involved, and there are so many more hybridizers, the law of averages of getting a really good one might work out more like one in five thousand. There are many ways to beat the law of averages; perhaps one of the best ways is constant study of parentages in the Check Lists.

For some years, due to limited space, I made only a cross or two, which resulted in perhaps one hundred seeds annually. I was more interested in growing as many named varieties as I could crowd together. I grew as many as a thousand varieties on a small city lot. For the past fifteen years I have reversed the procedure, growing perhaps a hundred named varieties I might want to use in hybridizing, allowing room for perhaps a thousand seedlings annually. The law of averages began to be a little more in my favor. Another thing that I was doing wrong was to make a single cross for each of several hundred parents, really proving nothing. I then started confining my endeavors to three lines at most. I now use very few parents for crossing in each of three lines, and try to set at least a dozen pods of any two given parents. I bloom several hundred seedlings from each of the three lines, and in this way I am exploring the possibilities and potential much more than I possibly could from a dozen or so. The law of averages is now much more in my favor. The lesson here is to make up your mind which lines you would like to work with, and select three at most. Remember, most of our gardens are small and that we are competing with established hybridizers, many of whom have acres of growing room and are able to grow several thousands of seedlings each year. Furthermore, most of them know their way around, having gone through all of the learning stages, and have established lines of breeding that produce results more readily than the hit or miss sort of work. On the average, it takes at least ten years to establish a line of breeding that might be different and better than others. Once this line is established, one can control his future endeavors in this line with greater ability to predict what might result.

In our mild Bay Area climate, germination of seed is poor, and to assure that I will have a thousand seedlings blooming each year, I make as many crosses in my chosen lines as I have time to make in early morning before the work day. I try to end up with 150 pods. This may produce from three to four thousand seeds, but I usually end up with only a thousand or so healthy enough to assure bloom the following spring. I try to get them planted as early as possible, usually in the middle of May, after the current



JILBY
(Gaulter '65)
Photo by Redman



Gaulter 62-31B
Sib to Jilby

crop has flowered. I must use the same growing space each year, so I must dig the few that I want to hold over, some while still in bloom. I then discard all the rest, even the few that did not bloom, and broadcast a balanced fertilizer. The ground then is rototilled and the new crop is lined out. My paths are twenty inches wide and the double rows are as wide, with seedlings perhaps no more than six inches apart, either way. I alternate paths and rows. Once they are planted, they are watered in with vitamin B1, and are kept growing with weekly waterings plus a bimonthly watering with water soluble 5-10-10 fertilizer. By fall, almost all show increase, and bloom the following season.

For the past ten years I have been working three lines: One, for a good yellow self that will not burn, and if possible, with lace, and perhaps a red beard. The results have been slow and at times disappointing. However, the past season did show some progress. NOB HILL, from a cross of GOLDEN STAIRS, a conventional yellow, with GLITTERING AMBER, is one parent of the present line started in 1963 when it first bloomed. I then used FULL DRESS and RAINBOW GOLD together trying for a yellow with lace, but all faded away in our bright sun. However, I crossed one or two of the best of these with NOB HILL, and the second generation from this cross produced several last spring that showed promise. Good deep yellow, non-burning color seems to be there, but that lace factor! Perhaps another generation will bring it back.

The second line I have going is for a good white with a bright red beard and lace. I bloomed the sixth generation of this line last spring, perhaps 2,000 seedlings involved, and still do not have what I am looking for. It took at least five generations to fix the lace factor into the line, even though I used nothing but seedlings or the few named varieties that had the lace factor. The line started in 1957 when I first bloomed a white with pale tangerine beard and lace, from FUCHSIA X PARTY DRESS. I have used

FROST AND FLAME, ARCTIC FLAME, and one or two other named varieties along the way, and sibbed the best each year. As a byproduct I am getting a few whites with lace but with white beard instead of the red beard. However, one or two of these seem to be as interesting as any of the others. Also, a few lavender-blues from pale to dark, with tangerine beards.

The third line probably is the most interesting and came about from a rather wide cross, and very unexpectedly. I crossed MADEMOISELLE (PATH-FINDER X LAVENESQUE) with GLITTERING AMBER, and bloomed CLAUDIA RENE in 1960. It was the only one from the cross with a tangerine beard and the only one with any amount of substance. I then crossed CLAUDIA RENE with both parents. CLAUDIA RENE X MADEMOISELLE gave me JILBY in 1962. I have been unable to set seed or find viable pollen on JILBY. However, the third generation involving CLAUDIA RENE gave me LAURIE, BACCARAT, and CAPE TOWN. I had no bloom from crosses made from this line the following year, due to damping off in the seed bed, but bloomed several hundred seedlings from this line in 1966 and 1967. Variation in color from this line the past two years has been interesting, ranging in color from blends of yellow and rose to purple and deep rose selfs, all with tangerine beards in various shades. If the seedlings had all started to look alike, I would have discontinued the line or would have outcrossed. However, as long as the line is vigorous and the colors seem interesting and varied, I will stay within the line.

In closing, I would like to point out that the one's first introduction should be of the highest quality. His future introductions will be judged against the quality of the first. In past years I have grown perhaps 20,000 seedlings. About a dozen or less have been introduced. Perhaps half of these shouldn't have been. My only excuse is that I felt rather pressured by others or pressured by myself into having them introduced. I was just too anxious to get something on the market. Let this be a lesson to you. Hesitate before putting something out that you are not entirely satisfied with. But even though I take the trouble to tell you this, it doesn't mean that I may not make the same mistake again.

EL DORADO IRIS

500 E. Locust El Dorado, Kansas 67042

1968 Introductions by Helen Graham Reynolds

- TIDDLEY WINK #D 7-67. L. MDB. 8". White with dime-sized blue spot in center of falls. Small, well-proportioned bloom. GREEN SPOT *sdlg.* X HEART'S CONTENT\$10.00
- BOY SCOUT #6-67. BB. 15". Golden brown with olive tone in standards. Well-branched. Flaring falls. JUNGLE SHADOWS X brown *sdlg.* from PRIVATEER\$15.00
- BUCK 'N WING #151-67. 36". Standards bright yellow. Ruffled, flaring falls of red toned brown-orange. A different color in variegatas. From 55-548 (recessive yellow) X 60-60A (involving pinks and reds).....\$30.00
- RIVER STYX #26-24. 36". Blue-black self with satin sheen. Blue beard. Wide and ruffled, with good branching. (BLACK HILLS x self) X TEA APRON.....\$25.00
- WANDERING WIND #13-66. 32". From seedlings involving WIDE WORLD and SEAMASTER. Well-branched; heavy substantced flower. Standards light blue with deeper color at midrib and base. White, flaring falls.....\$25.00
- CARNABY STREET #9-67. 30". E. White ground, streaked and marbled blue-violet. From TEA APRON X lemon recessive from RED CHIEFTAIN.



CAPE TOWN
(Gaulter '67)



GALA MADRID
(L. Peterson)

A Scientific Form of Art

KEITH KEPPEL

"Is it an art or a science?" The "it" referred to iris breeding, and the arguments of the impromptu debating team were getting a bit heated at times.

Most certainly we do use science in a breeding program, whether we realize it or not. The very action of putting the pollen on the stigmatic lip shows we have mastered one of the basic scientific concepts. A working knowledge of genetics is invaluable in selecting parents and planning a long-range breeding program. And sometimes with too much knowledge we get so carried away with the scientific aspect of the problem—test crosses, ratios, and recessives—that we forget what we were striving for in the beginning: the production of superior irises.

But after all, the iris *is* an art form. Why do we grow irises if not because of the fact that they are beautiful? (At least the flag patches *I've* visited of late aren't geared for commercial orris-root production!) And if you do not have the eye of an artist, then how can you recognize beauty when it unfolds before you? Iris breeding is truly a subtle blending of art *and* science.

The production of an outstanding new iris can be divided into three steps; failure in any one of the three results in failure of the project. First, you must make a cross which has *potential* for producing something desirable; no quantity of seed can help you if the seeds simply do not contain the genes necessary for producing something of value. Next, you must handle the seeds and the resultant seedlings in such a way that they can perform to the best of their capabilities; an ungerminated seed, a damped-

off seedling, an unbloomed plant—these cannot benefit your breeding program, and a poorly grown seedling in bloom is tenfold more difficult to evaluate than one which is well grown. And last, you must select from the blooming seedlings the ones which are the most desirable garden plants and the best potential breeding stock; the production of something superior is useless if you cannot recognize it and utilize it.

SELECTING YOUR IRIS PARENTS

Of course it's too late to select *your* parents, but you can use a little judgment when doing your iris match-making. Avoid using varieties with obvious faults whenever possible; if you must use them, be certain that both parents do not exhibit the same fault. Certain bad traits I consider more serious than others. An iris with poor substance should be avoided like the plague, for most—if not all—of its seedlings will be weak-substanced. Think twice before using an iris with noticeably poor form, especially one with strappy, twisted, or pinched falls. And remember that no iris, no matter how beautiful, is of any use if it will not grow; a problem grower should be used only as a last resort.

Color is a difficult thing, mainly because it is too obvious. You tend to be so overwhelmed by it that you lose sight of other equally important factors. Never should you breed solely on the basis of color; color cannot stand without other desirable factors to back it up. You can cross like colors to produce more like colors. You can cross widely varied colors to produce strange combinations and blends, many of which will be muddy and unpleasant. But, by using these odd colors either with others of their kind or with clear colors, in a few generations often you can get them to segregate into many different pleasing colors and combinations. I never hesitate to use a "muddy" iris *if* it is quality in all other factors.

When it comes to color, you don't always get what you're after, anyhow! I recall having made the cross of SAVAGE X CAPITOLA, trying for a quarter-bred with bright red-violet color. Nothing doing; nothing came near the desired color. I had also crossed BANG with CAPITOLA. BANG had been chosen because it was such an excellent grower, with good branching and form. It wasn't the color I wanted, however. But, from the very small progeny to bloom from this cross came NINEVEH, the color I had failed to get from the SAVAGE cross!

Once upon a time I would make copious notes during the winter time, listing all the crosses I would make in the spring. Of course the desired varieties almost invariably failed to bloom at the right time. Or bloom at all. Or have pollen. And very often when I went to make the specific cross, I would suddenly realize that both of the projected parents carried undesirable traits. I had forgotten over winter, while new seedlings or new varieties blooming in the garden for the first time looked to have more potential than the parents I had put on paper.

Now instead of planning to cross specific varieties, I plan crosses of lines. My notes will give instructions to "cross best of plicata-blooded bicolors X strongly-marked yellow-ground plics", or "cross least ugly ice-whites" (the scientific urge coming to the fore—experimental cross material!), or "use best MORNING BREEZE-BABBLING BROOK cross blues with red-bearded whites and orchids". These notes tell me on which lines to concentrate without pin-pointing specific impractical or impossible crosses.

I try to keep some lines going for long-range results and also have some crosses which stand a chance of producing the goods the first generation. (This keeps me from becoming too discouraged!) I study the pedigrees of the plants intended for use, but don't put much importance on anything beyond the grandparent level. In tetraploid segregation, it's too hard to pull remote factors out of the hat. If the parents of an iris are poor growers, I re-examine the iris in question before using it in breeding. Sometimes I use an iris for breeding just *because* of the pedigree—as with some of my own seedlings which are so complicated and have been carried on so many generations, it seems a shame to admit defeat at this point. Besides, just think how impressive the pedigrees would look in the registration booklet!

FROM SEED ON UP

It is advantageous to grow and bloom the seedlings as quickly as possible for several reasons. If you are to keep up with progress, you cannot afford to waste years (and thus, generations of improving your own line). When seedlings must stay in the ground an extra year because they did not bloom on schedule, you are tying up ground that could be used for other things. (Like more seedlings?) In addition, the extra year represents twelve more months of weeding and watering. You can't raise iris seedlings by sitting on the back porch and rocking.

When the iris pods begin to split, I shell the seeds into envelopes and keep the envelopes open until the seeds have had time to dry. When the weather cools in the fall—usually around November 1—I plant the seeds. After having tried planting directly in the ground, planting in flats, and planting in clay pots, I find the last alternative has the least drawbacks for me. If the seeds are planted directly in the ground, this area cannot be used for seed planting again for many years, due to the risk of cross contamination from delayed germination. Flats proved to be too shallow; they do not have a deep enough root run. Pots, being deeper, do not have this problem. (I use 4- to 6-inch azalea pots.) The pots can be kept in a handy area for watering and watching, and carried out into the field when you are ready to line out the seedlings. The soil from the pots, being too good to waste, is dumped in the perennial flower beds. Iris seedlings, from delayed-germination seeds, come up for years afterwards and are pulled out as weeds.

The seedlings are set out in the spring as soon as they are large enough to handle. I try to finish the job before the tall bearded begin to bloom, for once the TBs start there is no time. After TB bloom the weather turns hot so quickly that newly-set seedlings would have a rough time making a go of it without more intensive care.

The secret is to keep the iris seedlings moist at all times. They want to grow all summer, not go dormant with the summer heat and drought as the "mature" irises do. The more growth you can force from the seedlings, the more likely they are to bloom the following spring. They should not have to compete with overpowering weeds or starve for lack of fertilizer.

THE BEAUTY CONTEST

Once the seedlings begin to bloom, your problem is to recognize the potential of what you see. You must decide which seedlings merit being tagged for further observation as breeding stock and/or potential garden material. Knowing the pedigree behind each cross helps you to decide if

it will be of value for further work. Beyond that, it is almost entirely up to your artistic sense to make the decisions.

Almost entirely, I said. One thing you must remember is to check the growth habits of the plants in question. This is one point on which I try to put extra emphasis. Does the plant grow well? Are the leaf fans attractive, or at least free from obvious disfigurement? (Remember that you must look at the foliage long after the flowers are gone.) Does it bloom over a long season of bloom for its type? (Whether it does this by multiple buds per socket, extra-long-lasting blooms, or multiple stems per rhizome I don't care, just so long as it *does* it.) If it cannot pass the garden-value test, it may be useful for breeding, but certainly should not be rushed into commerce.

Perhaps I am too concerned with the "novelty factor" of a potential introduction, but with so many look-alikes being introduced every year, there seems little excuse for adding to the confusion. If a variety is not distinctive in pattern or color, then it should be distinctive in form, or at least a noticeable improvement in some factor. Of course it should have good form and substance, and all plant parts should be in proportion. Branching should be adequate to display the flowers above the foliage and to keep them from bunching. Stems should be strong, for irises were not made to be staked. Moreover, it should have "personality". Color impact should not overpower judgment. Stop and ask yourself, "Would I still like this iris if it were white?" If your answer is "No", you'd better do some fast re-evaluation.

So there you have it: the combination of art and science (plus sweat and tears) that goes into the production of a new iris variety. The pollinating, growing, and selecting are only a part of the struggle. Next come the problems of naming your masterpiece and distributing it. But that's a whole new chapter in the story

LANDSEND INTRODUCTIONS FOR 1968

- BROKEN CHORD. Sdlg. 61-88-3. (Frances Brown '68). HENRY SHAW X LOVELY DIANA X LOVELY DIANA. The falls are unusual shade of orchid-mauve, standards a creamy buff, bordered the same color as the falls. Old gold beard. All petals are extremely ruffled and fluted. This iris bloomed in California last year on one-year plants and I had many letters of favorable comment, stating it should be released. M-L., 35". HC '67\$25.00
- LOWER LIGHTS. Sdlg. 62-102. (Frances Brown '68). WAXING MOON X EMERALD FOUNTAIN X FULL DRESS X HENRY SHAW. Large ruffled white, brushed with pale lime color, which deepens to a pale olive in the throat and edges of 'all the fluted petals. White beard, tipped olive. An unusual white; strong grower. M-L. 38". HC '67\$25.00
- SOFT MELODY. Sdlg. 63-112-A. (Frances Brown '68). BRIGHT FORECAST X RAINBOW GOLD X FAIR LUZON. A pure self of the cleanest coloring between an apricot and peach. Heavy beard same color as the flower. All good qualities. Has been much admired by the judges. ML. 36". HC '67....\$25.00
- AFTER IMAGE. Sdlg. 61-14-B. (Frances Brown '68). JAN ELIZABETH X EMERALD FOUNTAIN X PEACH PLUME. It is very difficult to describe the blending of the hues in this iris. Pale alabaster pink standards, style arms and beard; regal above deeper pink and gold throat, with pink falls which have a blending of lime and gold which gives the flower a pink and green influence; flaring and ruffled. ML. 35".\$25.00

Offered with other fine tall bearded iris. Write for bargain prices to:

LANDSEND GARDEN

Mrs. F. Allen Brown
4326 Grandin Road Ext., Roanoke, Va. 24018

A HYBRIDIZING PROGRAM

JOHN GOETT

When the last Bulletin arrived with the awards list, I went over it very carefully and saw that the pattern was the same as it had been for a long time. Most of the top awards or highly placed HMs went to the "old pros." They are the skilled hybridizers, have the reputation and are well stocked with advance seedlings as well as raising seedlings in large quantities. The odds are all for them.

The problem that most of the rest of the AIS members face is how to compete. After all, most of us raise a few seedlings and would like a little recognition if lightning strikes and we get a really outstanding variety.

Over the years I've given this point a lot of thought and have discussed it with others. I've wanted to give myself the best possible chance to cut those tall odds against me. The conclusion I've come to is specialization—the selection of a small enough field that I can adequately cover without just making random crosses and trusting to luck.

In the talls I've made most of my crosses in the dark blue-violets and now have a line breeding program in the fifth generation. About half are crosses of numbered seedlings. The remainder are crosses to topnotch, recently introduced, new varieties that impressed me. It is fun to see the well-branched, solid color selfs with matching beards. Some even have a glow and personality that make them stand apart. Another line has contrasting beards. Bright yellow on deep violet is nice, but I particularly like the white-tipped violet beards, which give the sparkle I like in a clump. I can stand and admire these by the hour. I am not partial to the brown-bearded violets. Most look dull unless they are really different, and very few are worth a second glance in my judgment.

To be fully consistent, I should have dropped the talls completely when I got working on the standard dwarfs (SDB). I got a lucky break purely by accident. Dot Dennis bloomed DALE DENNIS and all of us wanted *cretica* pollen to get into the plics. I couldn't get any but begged some D551 pumila pollen—a *cretica* seedling. I bloomed some plics, all dogs, but from the cross on to MINNIE COLQUITT, I got one seedling only. It was good, and I named it KNOTTY PINE.

Now I was in business. I had something which may have the plic factor, had lots of substance, was extremely vigorous, would set lots of pods, and the pollen was great, too. Best of all, I had it before anyone else.

Crosses back to plics gave SDB's with substance and pattern. I named CIRCLETTE, TIFFY, a very lightly marked yellow that often has seven flowers and is vigorous, and ZIP. The last named has been somewhat overlooked. Besides being a beauty itself, it gives very nice seedlings, particularly with talls. Of course, they are intermediates.

I'm still crossing SDB plics and have just registered DOLL APRON, a very wide, crisp white with most of the color in the heart of the flower. By now, I'm in the third generation of this type cross and planning to continue. There is always room for improvement and even with a small patch, I can keep up with the larger growers.

After patting myself on the back for my astute decisions, I was working on my labels the other day and came across DOCTOR K. My thoughts flashed back to an article I think I read in the Bulletin years ago. Someone wrote that our famous hybridizer, Dr. R. E. Kleinsorge, had introduced many outstanding varieties, although he raised comparatively few seedlings in a back yard garden. He did it by specializing in the blends, and the basis of his breeding was to his iris FAR WEST. So take a lesson from him, specialize, and line breed from your best break.

TALES TELL'S POLLEN BOX TELLS

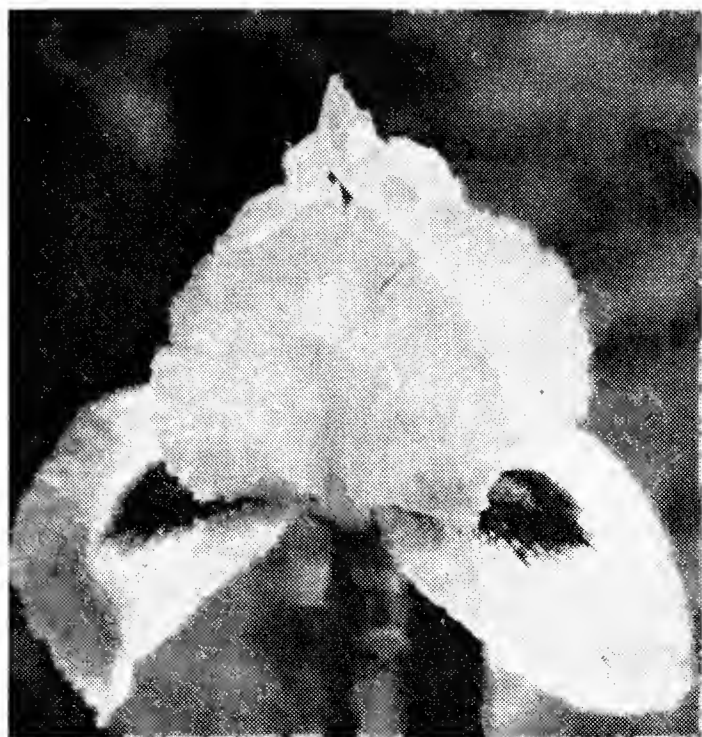
By TELL'S POLLEN BOX

In making my debut as a contributor to these pages, I should introduce myself and tell how I came into being. Actually I have undergone metamorphic changes and am quite a different "box" from my original form. Some of you may know THE master who created me, and I shall, hereafter, refer to him as Tell, he, or my master. I am here as a result of an article your AIS Secretary, Cliff Benson, wrote about gathering and using iris pollen. Tell found it difficult to keep track of the little envelopes in which he gathered pollen, and therefore about 1940 he folded half sheets of a cheap typing paper which quickly absorbed the moisture from the stamens, thus keeping the pollen dry and in perfect condition for a six-week period or more at room temperatures. He fitted these into a Borden (paper) cheese box, in chronological order; and thus he had available the pollen he wanted without having to wait for new flowers to open or to chase about the garden gathering one stamen at a time to make a single cross. I had a few dreadful moments on several occasions when my master left me in the garden, inadvertently, when storms threatened. I have been rained on, and, of course, my contents were spoiled, for every hybridizer knows that wet pollen is useless. Occasionally, too, he would leave me behind, or near some clump which would hide me from his view, and I have felt his anxiety and consternation (occasionally some "words") which let me know he was deploring his poor mentality. There is one thing I should like to say, however, at the outset. I want to come to Tell's defense with regard to rumors that he is a "pollen snatcher." Perhaps this started when he attended our first convention in Sioux City in 1950. He carried me under his arm, and I was bursting with pollen envelopes which had been gathered throughout the iris season in Utah. We stayed at the home of Chet Tompkins, and here some of my contents were used to pollinate in the Tompkins garden. I even carried pollen of a "Lost Chord" black-trimmed plicata found in Henry Sass' seedling patch and which a lady from Michigan carried off to see if she could force it to increase by use of vitamins, etc. I heard, later, that she was unsuccessful, but Henry had given us permission to have the pollen from the flower open at the moment. Mr. Tompkins made one pollination with the first stamen and then dropped it, and look as they may, it never was found. People were looking suspiciously at me and wondered how much of my contents were stolen from each of the gar-

dens we visited. I could not speak out to tell them my master never took pollen without permission, and rarely was his request denied; but he always had been generous to offer or to give pollen, for it has been his desire to see advancement in the iris family.

Since I can read his thoughts I may reveal some things of which he would not dare speak, and I hope to explore both his successes and failures which may help some "budding" iris hybridizer to avoid the mistakes and pitfalls that many breeders fall "heir" to. I can tell you this: there are several irises my master learned to "hate" with a passion, for they produced such ungainly offspring. I remember as we moved down the rows of seedlings how he would "swear" inwardly and would mentally "kick himself" for having made crosses with these new relegated outcasts. Three of these may now be mentioned, for they now are *passe*, and their breeders no longer could be hurt; but MELITZA, FLORA ZENOR and PARADISE PINK were notoriously poor breeders, each marking its offspring in deplorable ways. There were a few exceptions, and after three generations (my master had determination and was not to give up when they failed his efforts with every cross) some few passable seedlings resulted, and with the fifth and sixth generations (and careful use of better and newer things) some good is coming. One thing is sure, these "dogs" certainly had hybrid-vigor; yet this did not compensate for the mediocrity of their flowers. Some had magnificent branching, but my master always has contended the flower to be of the utmost importance, for after all do not all lovers of flowers of all kinds await the blooming season. There are some flora that send out magnificent running, climbing or upright stems or shoots which have no significant bloom, and a few which have to await the arrival of an attractive seed pod.

I must return to the changes which brought me to my present form. One year my master felt it would be wise to have several boxes for various types of pollen (dwarfs, median, tall bearded, spuria), and it was this year that I emerged as one-quart paper milk cartons. They were turned on their side and one narrow side was removed, thus making a rectangular box that was quite light and easily handled. However, the carrying of two or three of these was burdensome and often one of my segments "hid" somewhere, and he constantly was looking for part of me. Helen Fitzgerald and her beloved spouse, "Stump", thought that I needed to be a longer pollen box that would hold more envelopes, for I often was bursting at the seams, and occasionally my contents would spill, and Tell would have a frustrating time getting each envelope into its proper chronological sequence, for seldom did my envelopes fall neatly in order. So, Stump created me as an eighteen inch long stainless steel box, and I was the envy of every little cheese box, milk carton and pillbox that saw me. However, in this form, I proved too slick for my master to hold, and I often would slide from under his arm and fall to the ground, scattering envelopes until I feared for my master's sanity. Les Peterson, having skills in carpentry, along with dozens of other talents, made me into my present form, a foot-long wooden box, easy to hold, and bearing on either side, "Tell's Iris Gardens", taken from some cover of his catalog. In this present state I feel my master's calm and happiness, and while my contents change each year (and now that he is working, I likely will not bulge and spill my envelopes, as in



BETHLEHEM SONG
(D. Foster '68)



Italian Stamp with
Iris Motif

days past), I will continue to be useful in his more limited efforts.

Now for the real purpose of my "getting into print." If I "speak frankly," some budding hybridizer may be saved years of work and wasted effort. I should not say "wasted effort", for every hybridizer learns by his mistakes; and perhaps I should not be so smug, either, for some "mistakes" turn out rather well and have a strong influence for a good gene contribution. It is said that all of the colorful roses, South Seas, Peace, Tropicana, etc., owe their origin to the progenitor Austrian Copper, a single rose of much brilliance which has a strong tendency to sport that single yellow rose. We are very much aware of the fine things that have resulted and will continue to result from Paul Cook having experimented with crossing dwarfs and tall bearded, such as BARIA and PROGENITOR; and some lesser hybridizer might have thrown out PROGENITOR had it appeared among his seedlings, for not until its use did its apparent inhibitor for suppressing the anthocyanin color in the standards become apparent. This type of breeder, when used with flavonoid colors as yellow and brown, gave some rather startling results in producing new kinds of amoenas, bicolors or variegatas, some of which have tan standards and violet falls, as LILAC CHAMPAGNE or MILESTONE; and now by the use of pinks with GYPSY LULLABY and its derivatives comes a long-sought color possibility with blue or violet falls and pinkish standards, such as FLAMINGO DAWN, Les Peterson's 1967 release.

Actually, there is no color combination that cannot be achieved through long and careful breeding. The addition of species blood is opening new vistas to the hybridizer. But I know from what I have heard (I am around, of course, when all sorts of talk goes on, and I have been left to eavesdrop while Tell was in the garden.) that the F₁ generation seedlings can be highly disappointing, and the breeder must not be discouraged too quickly,

for it may take several generations of careful breeding, always adding the desired qualities one is after, such as width, form, substance or color, to approach the goal. Nothing is impossible; it just takes time.

There have been a few noteworthy progenitors which have enhanced width of the modern iris, any of which might still be used with confidence. Among these are PURISSIMA (the parent of HELEN MCGREGOR, SNOW FLURRY, etc.), MELODRAMA (GYPSY LULLABY), JUNE'S SISTER (GLITTERING AMBER), MARY RANDALL (PRETTY CAROL), GREAT LAKES (CHIVALRY). The last is a derivative of DOMINION blood, and this blood is in many things with round and flaring falls, such as TOBACCO ROAD, WESTERN SUN, SWAN BALLET, all the good reds, etc. Usually associated with round and flaring falls is good substance, without which no modern iris has much chance of success. I know that Tell avoids strongly haft-marked, narrow and poorly substantanced flowers as much as possible; and with the wealth of material today there is very little reason to use some of these unless they possess other qualities not available in more advanced varieties or species with unusual potential.

We have learned (my master and I) that like does beget like, and so many varieties so strongly mark their children that this may be very discouraging at times. It is almost impossible to break the color dominance of some kinds such as BANG, MARTEL, MARILYN C, TONI MICHELE, especially when they are bred within their own color range to mates of compatible color and bloodlines.

It was in 1943 when Dr. and Mrs. Hagen (Their daughter Theresa had married David and May Hall's son Richard.) displayed David Hall's 42-10, and we had our first experience at viewing a true flamingo pink. Evidently this was one of the better of three or four seedlings, all making their appearance in 1942; and this one had three increases, one of which went to the Hagens, one to Mr. Fishburn (a connoisseur living in Roanoke, Va.) and Mr. Hall kept one rhizome, which later succumbed to scorch. I carried a few stamens of this rare pollen and some crosses were made with it. I was curious about its pedigree, as was my master, who had the effrontery to write Mr. Hall about it. Mr. Hall was most gracious and revealed that GOLDEN EAGLE, a large yellow, was one of the parents. Tell had heard about Dr. Loomis' SEA SHELL and its derivatives, and courageously wrote this hybridizer, who promptly had Mr. Lincoln send us three samples of his work, SPINDRIFT, S.Q. 72 (which later, after much distribution, was released under the name of Pike's Peak Pink), and SEA SHELL. Tradition has it that latter (the progenitor of the first two) appeared in the year 1924, and was sent to Mrs. Douglas Pattison, then of Illinois, a collector and cataloguer of renown. S.Q. 72 was a pale and clean flower, and my master used its pollen on GOLDEN EAGLE. From this union came two which were named PINK TOWER and PINK FORMAL. The latter was the heavier substantanced of the two, yet PINK TOWER proved to be a good parent, and was shortly the parent of CATHEDRAL BELLS and the grandparent of PRETTY CAROL. There were two larger, darker and heavier substantanced sisters, but they were dirty, having hafts marked with purple; but one of these, 46-22 B, produced PARTY DRESS, whose pod parent has this pedigree: LANCASTER X Hall 42-10. So already good use was being made of three different breeders' products. Later John Ohl, in talking with Tell, revealed that he had made

the same crosses that produced PINK FORMAL and had had nothing worth while, saying that most of his had weak stalks, a tendency in GOLDEN EAGLE's offspring. John made almost yearly excursions to Dr. Loomis' garden, and never left without a supply of rhizomes. John was given the full array of S.Q. and T.Q. series, as well as a little white ground plicata, with lavender markings and tangerine beard, and superb branching, which Dr. Loomis called "Seashell plicata", it being a child of SEA SHELL. This John Ohl gave to Tell, and it was crossed at once with PINK FORMAL in hopes of getting a pink plicata, for he knew that PINK FORMAL carries plicata genes through S.Q. 72, since both SEA SHELL and MOROCCO ROSE, a variety scattered throughout the pedigrees of all D. Hall pinks, had plicata backgrounds. These two are half sisters. About seventy seedlings were grown, and only one plicata appeared, this one a vastly improved "Sea Shell plicata," and which was named NEW ADVENTURE. It was a lavender marked plicata on white, but crossed on SURRENDER produced CHETKIN, which showed some pink in the petals. All these were only steps, of course, and the deep pink-ground plicatas are gradually being created, all with better form than the before-mentioned possessed. NEW ADVENTURE carried over the fine branching of its little ancestor, and has this dominant characteristic to pass on to its offspring. I often have wondered why SEA SHELL was not, and is not, employed in a table iris breeding program, for it has all of the earmarks of being a good potential in this direction. My master had several "too-tall tables" appear among the descendants of NEW ADVENTURE, one of which, a rather handsome little lavender, has been muchly used in this direction. Unfortunately, the seeds have not been planted; at least I have not carried any pollen, as yet, from bloomed seedlings of its blood, and I would know if some were inserted within my walls.

Tell has a tendency to be carried away with the work of others. Sometimes I wish I were able to pull the arm that carries me, and have him walk more carefully up and down his rows of seedlings, for I often see something there that through experience I know would be a great breeder if given a chance. But there are so many good hybridizers in Utah that at blooming time we spend considerable time traveling, or after work going to nearby gardens of George Mayberry and Dr. Julander here in Provo, and just before dark we end up in Luzon Crosby's garden. By that time he is so exhausted that I am left in the car until the next day's jaunt, hopeful that we will end up in our own garden before dark. The next morning we do run quickly into the field for a general look, and he cuts a few stalks to carry to work for some arrangements in the Administration building, and I wait in the car until noon or evening to have some new envelopes inserted. I must confess that I am getting just as enthusiastic as he about some of the new seedlings we see, and proud too, at times, for I have carried the pollen of some of their ancestors and had a part in their existence.

Because WHOLE CLOTH was the first of a series of PROGENITOR-derived new type blue and white amoenas and has found such favor among hybridizers, it has produced a rather goodly number of fine offspring, among them MILESTONE, TRITON and LAVENDER CHAMPAGNE. However, WHOLE CLOTH has a tendency to produce offspring with only one bud to the socket (or side branch) other than the terminal. My master and I have come to feel that MELODRAMA is by far the better parent, having more substance and

width to impart to its descendants. The important inhibitor, and this new pattern and blood, is getting enhancing modern bearded irises. Perhaps the most exciting cross viewed last year was one of George Mayberry's M 65-47 series, from BON VIVANT X M 59-11-5 (JUNGLE BIRD X TISTOPS). Two sisters were a departure in coloration, having oyster pearl standards and lilac-blue falls, with blue tipped beards. One of the sisters was early and the other came as the last flowers faded from the first. They almost were like two peas in the pod, so the season was extended by having the two. Their falls were round and full, with excellent flare; both were clean flowers free of haft markings. The pollen parent is a brilliant blend, as might be expected from its parentage, and has an orange beard; but it had a sister with a lavender or bluish beard, so evidently M 59-11-5 carries the factor for blue beards. The rich coloration of the falls carried through to many of its offspring, some of which had quarter inch borders of tan, the color of their standards. Several were somewhat reproductions of the pod parent. I can envision lovely offspring from this series crossed with MILESTONE and LILAC CHAMPAGNE and their derivatives, as well as to the M 65-15 series from CASHMERE X MELODRAMA, which produced several nice neglectas and very wide violets. This latter group will be useful to cross with FLAMINGO DAWN. Mayberry's M 65-22 series from RAINBOW GOLD X ROYAL GOLD was an excellent group of yellows, many with lace and very wide parts. Only those that withstood the sun without fading were retained. It seems that many of the seedlings with BUTTERSCOTCH KISS blood have a tendency to sunburn. Seedlings of PARADISE PINK and JUNE MEREDITH often have one side of the falls lighter than the other, giving a burned appearance; this also is true of FLAMING HEART, although some good things have resulted from the latter two varieties; and Mayberry's M 65-21-1 from FLAMING HEART X M 60-50-1 (Tell 57-124: FIRST CURTAIN X SWEET GIRL GRADUATE) X Madsen M 152 A, involved with Tell's line of pinks, was a really fine deep pink with superb substance; and when Tell saw it, he wanted to cross it with Lerton Hooker's big flaring MAYFAIR PINK.

In Dr. Julander's garden there were many outstanding seedlings and a goodly number of them were derivatives of RIPPLING WATERS, certainly one of the fabulous breeders of the period; but why shouldn't it be, with its superb pedigree. Perhaps MORNING BREEZE will prove equally effective as a parent, or more so, for it has a tremendously heavy stalk, with large, wide flowers of excellent substance. For breeding really great substance ARCTIC FLAME could lead the field, but unfortunately its good qualities cannot be put into every color class without some "doing." One of the fine wisterias flowering for the first time in this garden as J 64-82-1, from MARIE PHILLIPS X STERLING SILVER; this certainly has captured the better qualities of its parents. EVER AND EVER X RIPPLING WATERS produced a fine lavender and just what one might envision from this cross. ALL ETERNITY X RIPPLING WATERS produced a vastly improved ALL ETERNITY, with greater width and substance and superb branching. It was simply beautiful. An unusual cross of ORANGE PARADE X TONALEA produced a red on the brown side, with the size and substance one wants to see in a red. Dr. Julander has great plans for its use in breeding that true scarlet iris, and is using it with other pink-red crosses in the hope of a self or red beard to some of its descendants. There was a gorgeous soft lavender from CONSTANCY X

RIPPLING WATERS, and after it was through blooming it was easily located by its heavily laden stalks bearing full pods. There was another good white from SWAN BALLET, but it had no pollen, so I do not recall its number. When we traveled to Ogden for the regional meeting, we saw many lovely things in several gardens. Melba Hamblen had a host of blues and lavenders with tangerine beards, probably in the fifth generation in her quest for this color combination. There were exciting things in many color classes: the pinks and oranges, all of which stemmed from Tell's lines, and those different color combinations from LILAC CHAMPAGNE and her line of neglectas and amoenas from MELODRAMA and pink lines, showing up with the tangerine beard she has been working for. Herb Spence has a "thumbnail" backyard full of all kinds of plants, but the larger area is taken over with named irises and seedlings. Perhaps the most excitement was caused by a group of sister seedlings from RIPPLING WATERS X TOP OF THE WORLD. These all were in the white range, some with slight lavender influence, and all sporting a blue-tipped beard. When Tell saw these, he just about "flipped", and with permission took pollen from two or three to use expressly on TONI MICHELE, in the hope of getting that pink with a blue beard, since both parents have blue beards and pink background. The cross was accomplished.

I could extend this first effort to several more pages, but I had better let this suffice; and if you like, or your editor receives enough fan mail, I will attempt to give you some further notes from my pollen file, and tell of some of the exciting things I see being created in the gardens I am carried to. Although I am not an experienced writer, I trust that you have enjoyed some of these notes; or if you are a hybridizer, have gained some insight into the possibility of hybridizng, or even inspiration to want to hybridize and create something fine and worthwhile that will one day grace gardens throughout the world. You may let your pollen boxes read this, but since we are silent partners, I doubt that they will influence you greatly in your crosses. But we will go on serving you in our humble way. Please remember to take good care and never leave us out in the rain.

TELL'S IRIS GARDENS

(Ad continued from page 45)

GAZOO (<i>Knopf</i>) <i>Double white</i> ,	
flat	\$10.00
GOLDEN CHARMER (<i>Hooker</i>)	
Gold	\$22.50
LAUNCHING PAD (<i>Knopf</i>)	
Bi-yellow	\$22.00
ORANGE VISTA (<i>Mayberry</i>)	
Laced orange	\$22.50
PINK DIVINITY (<i>Tams</i>) Pink.....	\$22.50
RIPPLED GOLD (<i>Foster</i>) Yellow	\$17.50
SOMBRERO BLANCO (<i>Tolman</i>)	
Amonea	\$10.00
SPACE SHIP (<i>Knocke</i>) Plicata.....	\$20.00
THRUWAY (<i>Knocke</i>) White.....	\$20.00
TONGA MOON (<i>Jensen</i>)	
Laced yellow	\$15.00
YOKAO (<i>Knopf</i>) Violet	\$22.50

BORDER BEARDED	
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Lavender-violet	\$12.50
PETIT POINT PINK (<i>Foster</i>)	
Pink-lavender	\$22.50

TELL'S IRIS GARDENS

425 N. 4 W.

Orem, Utah 84057

PROUDLY PRESENTS FOR 1968

- ATHENE'S LACE (Esther Tams). E-L. 35". GRECIAN URN X WHIR OF LACE. Delightfully ruffled and laced medium amethyst-violet; semiflaring falls and domed standards. Flowers large and broad with a taffeta-like finish carried on excellently branched stalks. Beard white tipped yellow. Fertile both ways. T 17-64. Net \$20.00
- COUNTRY POET (Les Peterson). M-L. 40". (LP 63-99: CRESCENDO x TANTALLON) X (LP 63-55, involving MOONTIDE, BRYCE CANYON, CHAMOIS, CHINA MAID, BERMUDA SAND, BURMESE RUBY, YOUNG BRAVE, PRAIRIE SUNSET, FIRECRACKER, RED WAVES, GARNET ROYAL). So-called bicolored red. Standards deep yellow overlaid color of falls, which are rich chestnut-brown-red. Styles and beard yellow. Beautifully branched with 12 buds opening over a period of 24 days. Eleven votes HC '67. LP 66-300.Net \$25.00
- DRESS SUIT (Herbert Spence). M. 32". WHOLE CLOTH X DARK BOATMAN. Stylish and immaculate as a newly pressed dress suit. Gorgeous bicolor with medium blue standards and rich, dark, velvety violet-blue falls sporting a self beard. Falls flare and are round, broad and tailored. 61-1-4A. HC '66.....Net \$20.00
- FLARING PINK (William McKinley Meyer). M. 36". ((Tell 50-6 x Tell 51-13, involved pink breeding) x (Lapham C 48: BONNY x FORERUNNER) x PINK ECCHANTMENT)) X LYNN HALL. Medium toned flamingo pink which will not vie for the deepest color but for perfection of form and branching, both of which are ideal. Carries genes for deep color in pinks, oranges, apricots, bicolors and possibly plicatas. Fertile both ways.Net \$25.00
- GALA MADRID (Les Peterson). M-L. 30". MAIN EVENT X GYPSY LULLABY. Looks like a picture of MILESTONE in Plough's catalogue. Standards butterscotch-gold, falls wine-red with half-inch brownish red border; small blue flash below deep yellow beard. Described by Joe Ghio, page 29, AIS Bulletin Oct. '67. HC '66 and '67. Makes small rhizomes. Fertile both ways.....Net \$35.00
- GLASS MENAGERIE (Herbert Spence). M-L. 34". RIPPLING WATERS X TOP OF THE WORLD. Wide ruffled flowers carried on beautifully branched, heavy stalks. Standards warm white, with a deep flush of peach at the base and extending into heart of flower. Falls warm cream-white with broad gold beard. Sister seedlings have blue-tipped beards and undoubtedly this carries the factor. Used with TONI MICHELE in the hope of producing a pink with a blue beard. Has unlimited breeding potential. Fertile both ways. 62-8-4 A. HC '67.....Net \$25.00
- LACED TAPESTRY (Bion Tolman). M. 32". BLACK TAFFETA X RUFFLED APACHE. Large, laced claret-wine with gorgeous conical standards and semiflaring falls, which have brown at the hafts and a few inconspicuous markings. There is a faint flush of blue at the top of the brown beards. Should be useful for breeding red-blacks, reds, brown blends, and for adding lace factors to any of these colors. 60-97-3. HC '67.....Net \$25.00
- MAYFAIR PINK (Lerton Hooker). M-L. 34". Sib to PINK LURE. Involving DOLLY VARDEN, HI TIME, GLORIOLE X FLEETA. Not as well branched as its sister, but a much larger, heavier substantanced flower. Medium pink with a beard in soft harmony. Certainly Mr. Hooker's masterpiece in this color class. Not a fast increaser. Fertile both ways. HC '67.....Net \$25.00
- PREFERRED MAN (Tell Muhlestein). M-L. 36". (MARY RANDALL x PINK ACCENT) X MELODRAMA. A neglecta of superb form, substance and quality. The standards are beautifully formed of light blue-violet; falls are velvety dark violet, flaring, with yellow beard. A perfect mate for DRESS SUIT, LILAC CHAMPAGNE, GALA MADRID and MILESTONE. Fertile both ways. 115.....Net \$25.00
- QUIET GRANDEUR (Tell Muhlestein). E-M. 36". (CREAM CREST x QUEEN'S LACE) X (57-41: JUNE'S SISTER x Madsen 3-50 B: FANTASY x PINK FORMAL). Lovely light straw yellow, very wide of parts, with flaring, ruffled falls. Excellently branched and fertile both ways. A goodly supply. 108.....Net \$15.00
- VIOLET GLOW (Bion Tolman). M. 34". VIOLET HILLS X (INDIGLOW x ALLEGIANCE). Complete violet self with beard just slightly darker; hafts entirely smooth. Closed standards; falls semiflaring, slightly ruffled, with lots of substance. Excellent branching so three flowers open at once and do not touch. HC '65. Net \$25.00

BORDER BEARDED

- ARDI LOY (Les Peterson). M-L. 20-22". (Involving MARY RANDALL, ORANGE GEM, PRAIRIE SUNSET, FIRECRACKER, RED WAVES, THREE OAKS, THE RED DOUGLAS, SABLE, BERMUDA SAND, PRINCE OF ORANGE, NOONTIDE, BRYCE CANYON) X ORANGE PARADE. What a pedigree with unlimited potential as a breeder! Wilson color chart 729/1, peony purple self, but described as a rose-red with a brown-red beard. LP 65-15. Fifteen votes for HC '67.....Net \$25.00
- CELESTIAL RUFFLES (Bion Tolman). M. 20". (EL GRANDE AZUL x STARCROSSED) X CELESTIAL SNOW. Beautifully proportioned, ruffled and fluted white carried on slender three-way branched stalks. Charm and personality. Certainly a grand addition to the border class. 63-69-1. HC '67Net \$25.00
- ECHELON (Tell Muhlestein). M-L. 24". ALLEGIANCE X (MARY MCCLELLAN x SIERRA SKIES). Royal violet or midnight blue self, including beard. Branching and stalk in excellent proportion to the small, beautifully formed flowers. 95.Net \$20.00
- PEACH QUEEN (Esther Tams). M-L. 25-28". (PINK DIVINITY X RIPPLING WATERS). Gorgeous peach-tinted pink with matching beard. Flowers exquisitely ruffled and fluted, and edged with gold lace. Wide flowers have great substance and perfect flare. Stalks well branched with good bud count and placement. Fertile both ways. Limited supply. T 17-65. HC '67.....Net \$25.00

TABLE BEARDED

- TABLE WARE (Tell Muhlestein). E-M. 24". FIRST LILAC X MERRY LYNN. Welcome in the very early spring will be this table bearded wisteria-violet self, sporting a yellow beard. It is ideal for cutting and arrangements. Heavy grower and bloomer. No pollen but sets seeds easily. 258.....Net \$10.00

DWARF ARIL IRIS

- FAIRY GOBLIN (Doris Foster). E. 12". BRASSIE X HOLIDAY CHEER. Standards yellow with lavender-blue infusion. Falls chartreuse with red-brown veining. Chartreuse styles; gold beard. Flower ruffled. One branch. Awarded EC aril show in Arcadia '67. A doll. Fertility questionable.....Net \$5.00

ARILBREDS

- BETHLEHEM SONG (Doris Foster). E-M. 35". BETHLEHEM STAR X unknown. C. G. White breeding; may be selfed. Closed white standards are ruffled. Falls yellow with a strong mahogany-brown signal larger than a 25c piece. Sends up stalks intermittently over a long season; branching varies with the season and weather. Will have from 3 to 7 flowers, but always three buds in the terminal. Doris' masterpiece. EC and HC '67.....Net \$25.00
- ESTHER THE QUEEN (Eugene Hunt). E-M. 30". (Sundt 5631: ARDRUN x IB-MAC) X KALIFA GULNARE. The blendings of color are impossible to describe. Standards bluish green, with falls blended soft willow green to amber. Has a large signal spot of brownish maroon under a darker onco-like blackish beard, giving a very striking appearance. Aril breeders have been high in their praise of this lovely flowers. Passes on the strong signal spot to its offspring. One branch with usually three long-lasting blooms per stalk. Excellent grower; fast of increase. See page 63, January 1968 AIS Bulletin. ORB 64-1. HC '67.....Net \$25.00
- SPRING ANTHEM (Les Peterson). EE. 20-22". ((CHAMOIS x GENEROUS) x NO-MOHR)) X IMARET. Ruffled and lightly fluted; rich yellow self, including beard. Blooms too early for most judges' visits. Pod-fertile; no pollen. LP 66-20-A. \$20.00
- TURKISH TRACERY (Doris Foster). E-M. 29". Sib to PETIT POINT PINK. ROSEARIL X ARIL BEAUTY. Standards violet, veined maroon. Falls rose-violet overlaid with deep maroon dotting. Rose styles; golden bronze beard. Vigorous grower. Large flowers fertile both ways. The fine dotting and veining give it a definite onco-species appearance. 64-14-A.....\$20.00

REVIEW OF 1967 INTRODUCTIONS

TALL BEARDED IRISES

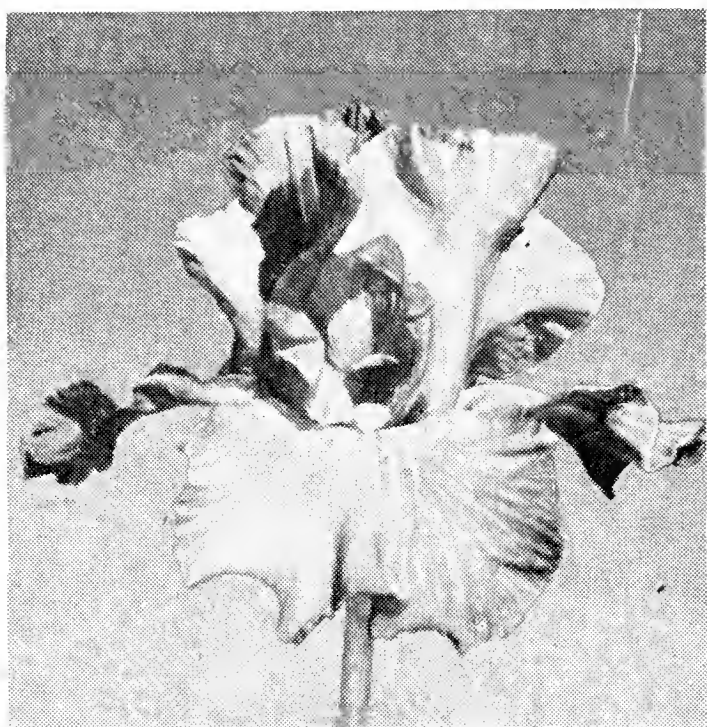
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|--------------------------------------|--|
| BUTTERSCOTCH RIPPLE (Hagberg) | CREDIT CARD (Knocke) Blend.....\$20.00 |
| Blend.\$20.00 | ENCHANTED SNOW (Goodrick) |
| CONSTANCY (Julander)\$20.00 | White\$20.00 |
| DRAKE'S CHANNEL (Knocke).....\$20.00 | FIESTA BAZAAR (Tolman) Plicata \$20.00 |
| DUSKY DANCER (Luihn) Black- | FLAMINGO DAWN (Peterson) First |
| purple\$25.00 | pink and violet-blue amoena\$25.00 |

(Continued to page 43)

FROM SAN JOAQUIN VALLEY HYBRIDIZERS

W. B. SCHORTMAN

Our 1967 bloom season was very cold and wet, so peak bloom was two weeks late. On December 5-6, 1966, we had 36 inches of rain in the Sierra Mountains, 35 miles east of here; and if it had not been for a new dam east of us, we surely would have washed away. No such rain had ever been experienced here before. Thanks to the dam we had no damage to our irises.



BLUE FORMAL
(Schortman '64)



DOVE IN FLIGHT
(Schortman '67)

On April 27 we visited the Babson garden 30 miles north of here. We found that they had had a hail storm there the day before, and you who have had such an experience can imagine the damage. Irises were cut to shreds and the iris spirit was at low ebb. A later visit to this garden May 4 showed the usual fine bloom and the spirits high. Sanford has developed some very fine blends and lately has done some work in amoenas, using MELODRAMA and WHOLE CLOTH with his own things. Here we found such interesting irises as:

P91-19. A greenish ivory self; large and beautiful form.

P108-2. Standards buff-yellow; falls a blend of lavender-maroon and purple. A very interesting combination.

CREDO. Large fluted maroon self with a yellow beard. INCA CHIEF x INNUENDO x BLACK TAFFETA.

AD ASTRA. Standards lemon-yellow; falls white edged gilt yellow. Yellow at haft. Strong stalk.

All these irises had good branching and heavy substance and approved form.

We visit the Gibson garden often and keep in touch with Jim's work in plicata irises. This garden is only four blocks away from here, but the bloom is several days earlier than our own. One could fill a book with Jim's irises, especially his seedlings. Soon tangerine beards and laced plics will be on the market. All irises listed here are of approved quality, fluted or ruffled, heavy, and with good branching.

RADIANT APOGEE. Standards deep yellow; falls with clear white center and deep gold banded. Orange beard.

ETCHED APRICOT. Standards golden apricot. Falls creamy ivory with fine etching of color of standards.

APRIL MELODY. Near-pink plicata with lavender cast and slight plic markings; a real break. Awarded Best Seedling Cup in 1965.

MAD MAID. Standards reddish tan. Falls white; border copper shading into red-brown markings.

The Collie and Lillian Terrell garden is at Wasco, in Region 15. This garden, some 40 miles south of here, is smaller than the others, but no less important. Collie has put out some very fine irises, proving that one doesn't need a large acreage to hybridize irises. Here we found such fine irises as:

CELESTIAL SWAN. Blooms late. A seedling of **SWAN BALLET** and **CELESTIAL SNOW**. White self heavily fluted; very pert and showy.

RETA FRY. Standards yellow. Falls deep yellow with light center. Many buds.

FORMAL FASHION. Dark violet self with a deep violet beard.

FINAL TOUCH. This is an orchid self; standards lighter than falls. A very showy flower and plant.

All Collie's introductions are choice irises with fluting, branching and good substance.

In the Schortman garden we had the latest bloom on record, but our bloom period lasted to mid-May. For the past three years I have been working more for a red iris and for different color beards in self color irises, such as a true blue beard on a white or a yellow and tangerine beard on blue selfs or blue-and-white plics. Of our recent things we have:

HAWAIIAN LOVE CALL. This violet-red self with flaring falls and brown to blue beard grows to 38". A striking flower.

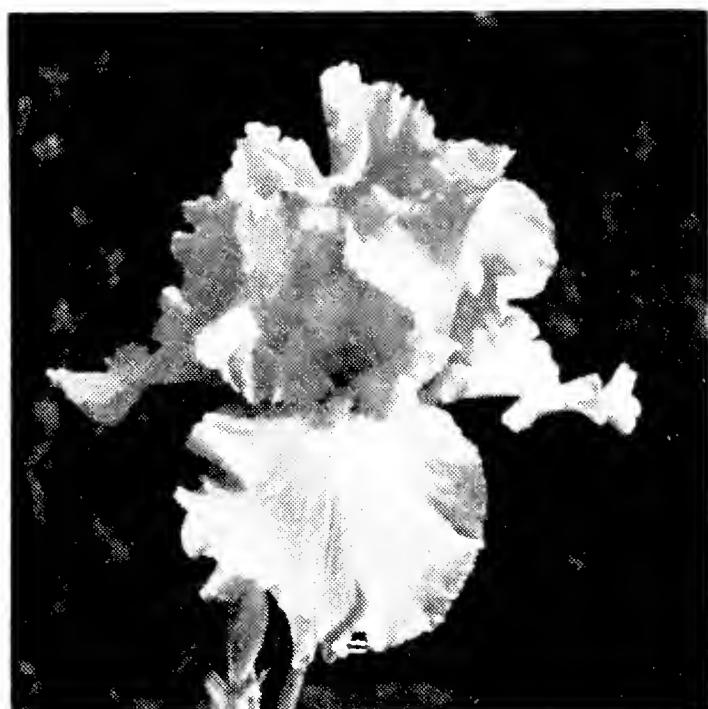
FLUTED ICE BLUE. Very fluted ice blue self. Yellow to white beard.

GOLDEN MEMORIES. Old gold to orange self. Yellow beard. Has **GOLD FORMAL** and **STOP** blood.

DOVE IN FLIGHT. Pinkish buff and blue beard. Large, heavily fluted flowers. Nearest in color to a male mourning dove.

All are of heavy substance, clean and well branched.

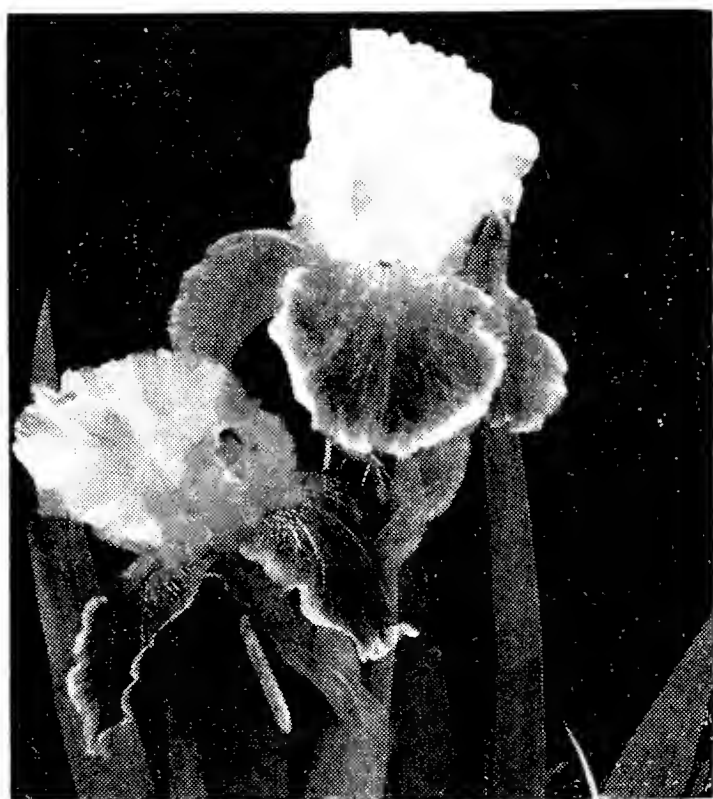
Show or program chairmen who are seeking attractive covers for show schedules, programs or yearbooks, may purchase copies of the January 1968 or April 1968 covers (without the wording) from the St. Louis office, for ten cents each. Order from C. W. Benson, American Iris Society, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.



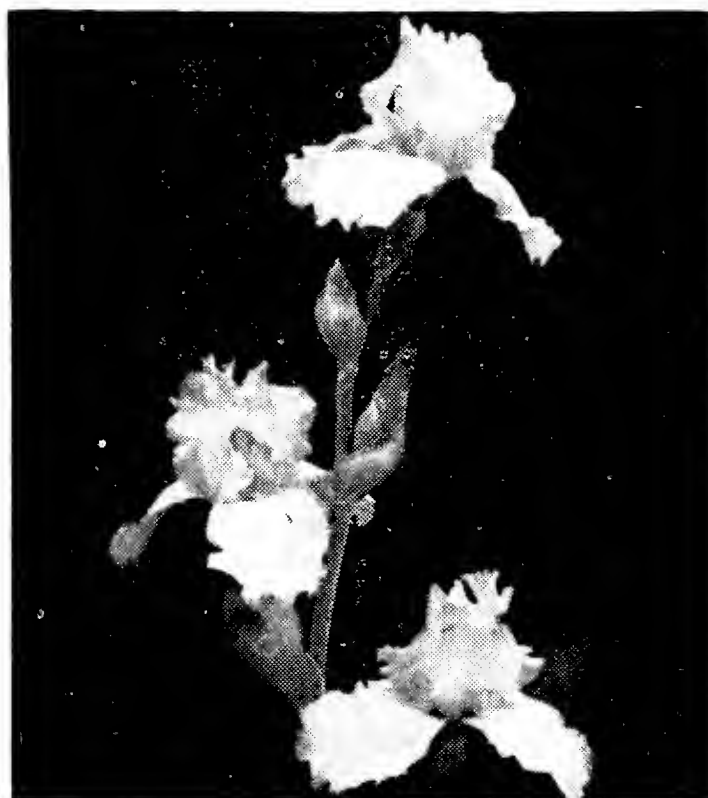
PINK TAFFETA (Rudolph)
rose-pink—\$30.00



SEVEN LEAGUES (Moldovan)
blue-violet—\$35.00



REPORTEE (C. & K. Smith)
red amoena—\$30.00



ROMAN VILLA (Gaskill)
tan & gold—\$30.00

— OUR 1968 INTRODUCTIONS —

GRAND OPENING (Kamps) VE. 38 in. Early blue self.....	\$25.00
SAFFRON ROBE (Moldovan) L. 38 in. Old gold	35.00
TANGERINE TANGO (Sheaff) M. 28 in. Apricot	25.00
QUIET NIGHT (Cook) ML. 36 in. Glossy black.....	25.00
DOVE WINGS (Roberts) A SDB milestone.....	25.00
WATERCOLOR (Roberts) Unique SDB variegata.....	10.00
LEMON SPOT (Willott) Perfection in SDBs.....	10.00

MOLDOVAN'S GARDENS

38830 Detroit Road

Avon, Ohio 44011

Catalog on request

Irises We'd Like to See Again

HOYT AND EDITH SMITH

As we sit here by the window on this cold, dark and dreary tag-end-of-January day, looking at the forlorn sight of irises in their winter dress, with nothing but the drabness of winter all around, it is indeed difficult to realize that just four short months from now, another iris bloom season will have come and gone for our garden. The grass, the shrubs, the trees, and all the things that now appear so lifeless, will again be in the full vigor and beauty of growth, and the world will again be a wonderful place in which to live, with the principal fault being that there is just not time enough to do all the things we want to do.

We will have again witnessed the myriad of miracles that Mother Nature unfolds before our eyes each spring, and the realization that it is all, each and every iota of it, a part of Mother Nature's way of perpetuating her never-ending cycles of Life, serves to deepen our awe and wonder that such things can be wrought.

We will have seen many irises in bloom, I hope, and I hope will have seen again many that we saw last year for the first time.

ROUGH RIDER (Daling '66) falls in this category. This is a nice light brown amoena; the standards are white, the falls light brown, and an orange brown tipped beard. The white striations around the beard add to the overall effect of this perky, nice iris. This is one that may have been overlooked. It has good substance, good branching, satisfactory bud count, good growing habits, and moderate increase.

COCKTAIL TIME (Plough '66). An iris as fresh as its name. Heavily ruffled, fluted, and lightly laced white. It has a trace of lavender in the heart of the flower.

SUNNY SPLENDOR (Schreiner '65) A brilliant orange-yellow self, with a self colored beard. Tailored, with excellent substance and bud count. Good branching, with above average increase.

MOST PRECIOUS (Plough '66) A little disappointed in the first year's bloom on this iris, but anxious to see it again—it may improve. It is a creamy white with pink shoulders and tangerine beard, which is reflected in the heart of the flower.

ROYAL TOUCH (Schreiner '67) An aptly named iris—it has everything to justify such a name. Royal purple color, with plenty of substance to withstand sun, wind, and what-have-you, on well-branched stalks with heavy bud count to furnish bloom for a long period of time. It is an excellent garden iris, increasing rapidly and growing well. We predict a great future for this iris.

SEASHELL MUSIC (Ernst '65) A good tall plicata, delicately marked with pinkish-tan or rosy-brown, whichever you happen to see in it. It has excellent flaring form, heavy substance, is well branched on strong sturdy stalks. It is a good garden iris, with moderate increase.

WINDSWEPT FLAME (Reg. by Geo. Livingston of Earlville, Illinois in 1967). This promises to be one of the better reds. On a one-year plant, the coloring is excellent, the form is good, the branching is of show quality, and the bud count is heavy. This one I am really anxious to see again.

POST SCRIPT (Tompkins '65). This is a much improved TRUDY. It was one of the main attractions in our garden with everyone stopping to admire it.

H. C. Wall's sdlg. 62-21-W. This pert little light pink iris was very attractive in the Botanic Gardens in Denver. The standards are closed, the falls are flaring, and lighter in the center. Slightly laced, with tangerine beard. Branching is good, bud count heavy, and apparently a good, vigorous grower.

GINGERSNAP (Schreiner '65) A gorgeous brown self, with brown beard. It has everything! In our opinion, it is one of the best browns on the market.

Brizendine's sdlg. B-54-64. I take this one to be a border bearded, and is a good black, on the mulberry side.

ALASKAN CROWN (J. Nelson '66). A white, with tangerine-yellow beard and yellow edges at the hafts and on the tips of the falls. Sturdy stalk and branches carries lots of buds.

Palmer's sdlg. 5565-A. Perhaps the most promising pink seen by us this year. It was in the Botanic Gardens in Denver, a good smooth pink color throughout, including the beard. It fairly shouted substance at you. The form is excellent.

CLOUD CAPERS (Schreiner '66). A delicately colored, heavily substanted amoena, with white-white standards and delicate orchid-pink horizontal falls, with a white beard. This is a beauty of perfect proportions, and a good garden iris as well.

WHITE FLUTTER (Hilda Fail '66). The best white iris we saw at the Denver Convention! The perfectly clean white coloring is superb, with just enough ruffling, fluting, and lace to make it extremely attractive. The beard is light yellow, which appears to be reflected in the heart of the flower. The overall form and proportions are excellent. Truly an outstanding white iris—one that I must have!

MAY DANCER (Shoop '67). A nice light pink self, with a darker pink beard.

M. Brizendine's B-35-60. A median. The blackest black you can imagine, with a grey beard that appears almost white against the background. Good form and substance.

Larry Gaulter's sdlg. 63-100. Tan standards, domed nicely and lightly laced. The broad falls are an orchid blend with tan edges and darker, almost red shoulders. Bright orange-tan beard completes this lovely picture.

SILVER WEDDING (Rex Brown '66). A nice white iris with a silvery sheen and a hint of green on the falls. White beard, nice ruffling. Am anxious to see this iris bloom on a two-year plant.

VELVET TOUCH (Dennis '66). This reddish-purple self, with a wooly-worm white beard is really outstanding, and will delight any of those who love the small ones.

Steve Varner's sdlg. 489 (Now named HATARI and scheduled for introduction in 1968). An outstanding red-pink self that would be a good addition to any garden.

MISS ILLINI (Varner '66). One of the better yellows. In the Botanic Gardens in Denver there was a great clump of this iris which drew the attention of everyone, and close inspection revealed that this is really an excellent iris.

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Old Brook Gardens

announces the introduction of a new Siberian iris
from Professor William G. McGarvey, and
wishes to call attention to the HM awards to both EGO and
SUPER EGO in their first year of eligibility after introduction.

BLUE BURN (McGarvey '68). 32". Burn is a Scottish word meaning stream or river and the light blue flowers of this lovely plant have white highlights which suggest blue water turning white in its rush over highland rapids. It is early, blooming along with many tall bearded irises. A sister seedling to Ego, entirely different in form and coloring, it is a worthy companion plant to the previous McGarvey introductions. Sdlg. 63-4-2 (WHITE SWIRL X McG-B-Lt-b-sty). Net \$30.00

PREVIOUS MCGARVEY INTRODUCTIONS

The Siberians listed below and some other seedlings from the McGarvey garden may be seen among the guests at the '68 and '69 AIS conventions. They also can be seen at Presby where they have excited those who have seen them.

Ego (McGarvey '66). 32". This Siberian iris has very compact, deeply ruffled, flaring blue flowers. The falls are highlighted by an attractive white blaze and haft pattern. Produces a fine clump. Suitable for the middle or foreground of the mixed border. Sdlg. 63-4-6 (WHITE SWIRL X McG Med B-Lt-b-sty). HM '67. Net \$35.00

SUPER EGO (McGarvey '66). 30". This Siberian has flowers of ruffled open flaring form. The standards are light blue, approaching white in color. The large rounded falls are dark blue at the center, shading toward white at the edges. A bright and unusual flower. Sdlg. 63-2-2 (WHITE SWIRL X McG Lg-B). HM'67. Net \$35.00

DEWFUL (McGarvey '67). 40". This is a dual purpose iris in that it is a fine garden plant and has proved to be an excellent parent. Its name comes from the shape of the falls which form a shallow cup that holds the dew. A medium blue self with very light blue styles, which gives the flower a brightness that stands out in the back of the border. Sdlg. 63-4-4: Sister to Ego. Net \$20.00

FALL FAVOR (McGarvey '66). 36". E & Re. Tall bearded rebloomer. Clear yellow. Blooms early in TB season and again in September. Developed for exhibition at the New York annual State Fair, it has rebloomed consistently in the week before Labor Day. Sdlg. 62-Y-6 (55-Y-6 X FALL PRIMROSE) Net \$15.00

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TB VARIETAL COMMENT —1967 SEASON

LEE EBERHARDT

Christmas week is an interesting time to contemplate the iris season past and what the appetite for the season to come. 1968 will, of course, be that "normal" growing season we all talk about, but have to search deep in our memories to recall.

The combination of iris and photography hobbies lends itself to mid-winter iris appraisal. The observation tools used: Color fan, tape measure, notebook, and camera, provide an excellent record which, examined off season, eliminates the overwhelming confusion of the modern iris garden at peak bloom.

The writer's normal procedure is to evaluate only two or three year clumps, to judge the overall garden effect of the clump, then to study the individual stalks for number of branches and buds, together with placement and balance, and finally to examine the bloom. If the iris receives a three or four star rating of excellence, a photograph is taken of either the clump or an outstanding individual stalk or bloom. The only exception is an occasional horrible example taken to show the faults. The unphotographed mediocre are recorded only in the notebook with the appropriate rating and brief notes of faults. Unfortunately, today there are too many such irises, better left unintroduced.

The past season in Region Six was extremely late. At Denver, any iris that survived for evaluation had to have weather resistant quality. This unfortunate season's exposure to growing irises limits the comments. Hopefully, the new season will provide a better look at irises that should be good.

In general, the spectrum of modern garden irises has been broadened greatly in the latest introductions with the wide variety of beard and bloom color combinations, and the unusual amoenas, bicolors, bitone blends, and pastels. The "Reds" seem almost red and come taller; the blacks are blacker; the plicatas are reaching a new peak of perfection; and it is still possible to introduce whites, blues, and yellows of unusual merit.

The following comments cover the best of 1967, as seen through the writer's camera lens:

Whites: One of the most outstanding irises of the year was Jeanette Nelson's ALASKAN CROWN, a lacy warm white, with both standards and falls edged golden yellow; also tall, well-branched and weather resistant.

Schreiner's FUJI'S MANTLE, with sparkling snow white standards and flaring white falls washed blue around the edges, is the October, 1967 *Bulletin* cover. Heavy substance, strong stems, and attractive plant are additional values.

CARRARA MARBLE, by Marilyn Sheaff, soon commercially available, offers precise ruffling, perfect symmetrical form and heavy substance in another white iris that is different. This one has a promising future.

HENRY SHAW, DANCING BRIDE, and ARCTIC FLAME all performed to their usual perfection this season.

Yellows provide so many good and different irises you can't go wrong in flipping a coin to choose among the following:

Bro. Charles Reckamp's super frilled CANARY FRILLS provides canary yellow standards and creamy white falls bordered the standard color on a strong sturdy stem. This one has delightfully subdued impact.

A yellow with quality, impact, and carrying power in the garden is Orville Fay's GOLDEN PLUNDER, a clear vivid lemon-gold with deeper golden beard, unexcelled substance and branching.

Mrs. J. R. Hamblen's BUTTERED POPCORN is a well-named, ruffled, creamy yellow with lighter falls, good proportion, form, and carriage.

SAFFRON ROBE offers a smooth clean saffron-yellow self with an unusual bold brown beard.

Gibson's RADIANT APOGEE is the finest bordered yellow plicata, brilliant and glowing, in tremendous clumps, weather resistant, and provides show class stems.

Blues: Quality in the blue class has always been comparatively high. The following are some of the best among many:

Don Waters' MUSIC MAKER is the finest light blue and has every required quality for garden and show.

HIGH PRAISE, from Schreiner's, is a vivid blue-violet with light violet beard tipped white. The bloom has breadth and substance and stands up to wind and rain.

Cliff Benson's DASHING PRINCE is a smooth, different metallic steel blue, with superb stems and excellent garden effect in beautiful clumps.

Schreiner's BLUE PETTICOATS is a ruffled plicata with bright blue markings and edging, providing lots of buds on an ideally branched, strong stem, and has excellent garden quality. Similar, and at least equal in quality, yet different, is RIBBON ROUND, Tompkins' lighter blue plicata, which provides the outstanding cover of the April, 1967 *Bulletin*. It has all the required qualities of bloom, color and form, lots of well-placed buds on a sturdy stem and forms an excellent garden clump.

Cook's AZURE DOME is an excellent and interesting improvement in the reverse blue bicolor class with its brighter blue-violet stands and white falls.

NIGHTWATCH, by Cliff Benson, is the blackest black with deep violet-blue stands and very deep sooty blue-black falls; superb form and carriage.

Violets are another class where it takes superb quality to stand above the crowd. The following are some which meet the challenge:

PRINCE INDIGO, by Schreiner's, is a rich glistening pansy-violet with luxurious texture on tall superbly branched stems forming a royal clump.

Steve Moldovan's MULBERRY WINE is an extremely ruffled bright mulberry-violet with white beard, tipped yellow. Bloom has charm and appeal on a vigorous, well-proportioned plant.

From the same hybridizer comes STERLING SILVER, a ruffled and fluted violet bitone, with perfection in form in hardy easily grown clumps.

Schreiner's PRAIRIE CLOVER provides a different color, with a bluer tint than its AMETHYST FLAME parent, a uniqueness which more than makes up for its tendency to bunched stems.

Cook's SABLE ROBE is a very deep violet-black with all the superb garden and show qualities found in a Cook introduction. The darkest of the class that evolved through SABLE and SABLE NIGHT.

Reds are a challenging and difficult class with tendencies toward shortness and small blooms, giving a muddy color impression in the garden. Achieving the red of the Red Emperor tulip may not be possible with existing iris genes, but the following overcome most of the class deficiencies:

The 1967 Cook-Lapham Bowl winner, FRONTIER MARSHALL, from Schreiner's, is the best of the reds; smooth with excellent substance, branching, and buds providing a long blooming season, and has height and large bloom size.

Watkins' overlooked brother and sister seedlings, JEAN BOYD FITTZ and GENERAL MARK CLARK, contribute excellent quality with a tall glowing, ruffled and flared red-black and a garnet-red self.

Schreiner's SUPERGLOW provides a brilliant blend of chocolate-red with a blue blaze on the falls.

Apricot, Orange, and Pinks—Recent years have seen so many improvements and developments in these classes which include IRISH LULLABY, COMPLIMENT, ESTHER FAY, FASHION FLING, HIGH ESTEEM, COURT BALLET, APPLE VALLEY, ORANGE PARADE, etc. From among such excellent quality, it is difficult to pick and choose. Outstanding and different are:

Fay's RADIANT LIGHT is a deep orange with a brilliant coral beard, tall growing on an excellent stem; a "people stopper" in any garden.

Opal Brown's LIGHTNING RIDGE provides a bitone with peach-pink standards, and rosy violet falls set off with a bright red beard.

From Emma Cook's garden comes RADIANT DAWN, a pink amoena with white stands, warm tinted yellow, and phlox-pink falls with a yellow beard.

Browns used to be of questionable hardiness, with a reputation of flopping and fading in the sun. These deficiencies probably derived from their usually Mexico parentage. The fact that the hybridizers have overcome the problems is shown by the evidence in this class represented by:

Schreiner's GINGERSNAP is an excellent performer, sunfast, and a rich brown self with a bright ginger beard.

Brizendine's MILLIONAIRE is an excellent older variety in a ruffled golden brown bicolor that does well in the garden, being hardy, tall, and sunfast.

ROYALAIRE, its derivative, provides a splash of golden brown in the garden.

Gibson's WILD GINGER is a wide ruffled cream plicata peppered with ginger-brown that provides an excellent garden effect of brown.

Blends, Bitones, Bicolors and Pastels—These classes are busy areas of hybridizing activity. As a result, many new combinations and colors are here and await in the wings. The following are some of the best and most unusual of 1967:

Cook's SPACEMASTER represents the best improvement in the yellow-blue bicolor line with better clarity in the colors.

Mrs. Noyd's WENATCHEE VALLEY is a reverse bicolor, apricot-pink stands edged tan, with cream-white falls edged standard color, deeper hafts, offset by a tangerine beard.

Fay's RIPPLING WATERS, the Dykes Medal Winner shown on the October, 1966 *Bulletin* cover, is an incomparable blend of blue-orchid and cream, touched with pink, and a tangerine beard. Stalk, clump, and growability are without fault.

Joe Ghio's MAHALO, with silvery blue standards above ruffled violet-red falls, provides a bonus for Claremont, California, in 1968. ORCHID BRO-

CADE, TROPIC ISLE, and MORNING BREEZE are distinctive and worthy additions to these classes.

Among border bearded, to add accent to the talls in the garden, outstanding are Bennett Jones' GLACIER BAY, a trim white-blue amoena; LIME JOY, the Schmelzer charmer, with greenish cream stands and white falls, edged lime green; Bill Peck's trim, reverse yellow amoena ELLEN Q; or Crescent Deru's bright brown CHOCOLETO.

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DOROTHY E. GUILD

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NEW VARIETIES

MYRON BEARD

Just about every iris fancier knows or has heard about Don Waters and the irises he grows. Each year the flow of superlative praises accorded him mounts higher, and deservedly so; but at best they are gross understatements. No words would be adequate to truly portray this delightful man, with his gracious manner and keen, wry humor; nor to picture the perfection of his irises which last season attained a new pinnacle of beauty, the best they have ever been. In Don's garden, where the nearly new keep giving way to the very new, a definite improvement in the overall quality of tall bearded irises is clearly evident. This is true, particularly, in the refinements of finish and immaculate hafts which are appearing, even in colors not heretofore noted for these traits; and in stronger stalks, capable of holding up and displaying well these large and beautiful flowers.

Some of the same varieties, superbly grown at Don's, were growing equally as well, in the Avon, Ohio, garden of Steve Moldovan, a place that must be seen to be believed. Situated near Lake Erie and held back by the influence of its cool breezes, bloom here usually begins a little later and lasts much longer; and in most years irises growing in this fertile black soil put on a performance little short of fantastic.

It is a large formal garden beautifully arranged with points of interest scattered all through it and with room for each individual iris clump to form a focal point of its own. In the most prominent areas of display a host of newly introduced irises and guests scheduled for future introduction were performing so well as to make selection among them difficult.

Without trying to place each iris in the spot where it was seen, (some were seen in several gardens) we mention these two gardens because they are among the finest to be found in all irisdom and because most of the things we are commenting on were grown in one or both of them. The following, some of which are too new to speak of with assurance, seem to lack none of the virtues of good stalks, branching, substance, texture, color and form that make a good iris. We want to see them again. With another year's growth will they still be as good? Or perhaps even better?

ROYAL TOUCH—Schreiner '67. Deeper and richer than full violet, the beard a shade lighter. Somewhat short upright standards and wide flaring falls, both precisely waved, give a rounded form to this absolute self. Clean and unmarked, it is a vivid deep toned iris of much grace.

DEBBIE RAIRDON—Kuntz '65. Of such substance as to seem chiseled from marble, this basically white iris has a pale yellow edging around the domed standards, and the same color brushed on the edges and undersides of the flaring falls. The ruffled flowers are perfectly proportioned.

FLAMING DRAGON—Fay '66. Large, smooth flowers well spaced on good stalks are usually a bright apricot orange; when conditions are right they can be an even brighter true orange. A big coral-red beard adds to its beauty.

SEVEN LEAGUES—Moldovan '68. Larger, taller and more heavily ruffled than its parent, **STERLING SILVER**. The basic blue-violet bitone coloration

is overlaid with turquoise shadings. Almost a self, the standards just a bit lighter; this is beautiful improvement over its illustrious parent.

JOLIE—Schreiner '67. Very large, ruffled and fluted, this plicata derives great beauty from sharp contrast between the pure snowy white background of standards and falls and the narrow reddish violet border stitched around them.

MATINATA—Schreiner '68. This very large iris of tailored conventional form is exactly the same shade of true purple, beard included, from tip of standards to bottom of falls. It is smooth and rich and there is not a line or a blemish on it.

FLUTED GOLD—Schortman '66. A large medium yellow with precisely fluted standards and falls. This has a cast of old gold in the color and is a solid self of heavy substance and good semiflaring form.

VITA FIRE—Schreiner '68. A fiery brown-red that is large and flashy. It has good form and a nice sheen. The beard is yellow.

ETERNAL FLAME—Schreiner '67. Obviously not at its best on a one year plant; somewhat short and small, this yet had much to recommend it. A golden brown self, with self beard and beautiful ruffled form.

QUIET NIGHT—Cook '68. A high quality iris, similar in size and form to other of the newer Cook blacks, but this is much darker. Close to true black and with a very high gloss, it is a complete self, remindful of patent leather in its glistening blackness.

DREAM TIME—Schreiner '67. Huge, broad, heavily ruffled and beautifully formed, this pinkish lilac blend, a complete self except for the creamy white beard, is a color that is different and most effective in the garden.

WHITE TAFFETA—Rudolph '66. With some ruffling and fluting this very broad and very large iris approaches the ultimate in the purity of its whiteness. It has a lemon beard and a brushing of lemon on the hafts. A clump of these huge flowers is a spectacular sight.

SPANISH GIFT—Shoop '65. A bright orange with orange-red beard, this has a very good stem and the flowers are wide, ruffled and flaring.

MAD MAID—Gibson '66. Essentially a brown-on-white plicata, the heavily ruffled large flowers are deeper in tone, brighter and more sunfast than most of this type.

TANGERINE TANGO—Sheaff '68. Nicely spaced on somewhat short 29-30" stems, the ruffled and laced apricot-pink flowers are made more distinctive by a 1/4" gold border on the standards.

HONESTY—Moldovan '67. A very light and very true shade of blue that is paler around the white beard. The ruffled flowers with rounded domed standards and round flaring falls are very clear and smooth. Strong, somewhat short stalks, carry five branches.

MEDORA—C. & K. Smith '67. Creamy yellow standards and white falls edged in light yellow. It is large and flaring with a light ruffling over the entire flower.

KINGDOM—Fay '64. Very large, widely flaring and heavily ruffled, this clear yellow is spectacular in the garden. A white spot below the yellow beard detracts little from its overall beauty.

FAVORITE TOPIC—Schmelzer '66. A very large ruffled pastel bitone with a glistening finish. Standards white at the tips blend into pale lavender which becomes deeper towards the heart of the flower; falls are a deeper

tone of orchid-lavender. This has a fine stem and is different from other amoena types.

LAURIE—Gaulter '66. A self blend that carries well in the garden. It seems to have about equal mixture of pink, orchid and lilac in its coloration. Semiflaring large flowers are lightly ruffled and four of them will often open at the same time on show type stems.

REPARTEE—C. & K. Smith '68. The standards open creamy yellow and soon fade to white. The falls are very close to true spectrum red. Some haft marks cause the flowers to seem a little rough on close inspection; but with large size and good form they are attractive, giving a very good red and white effect in the garden.

BABBLING BROOK—Keppel '66. One of the bluest and with heavy ruffling, good form and good stem, this light blue is a real standout. It has some texture veining and a pale yellow beard.

MAHALO—Ghio '66. Domed standards are pale blue-violet; wide flaring falls are a deeper reddish violet. The large heavily ruffled flowers have a blue beard and are displayed on well-branched stalks.

CAMELOT ROSE—Tompkins '65. Clean hafts and silky smooth finish highlight this excellent bitone; standards are pale orchid-lavender touched with rose; falls a deeper blend of rose, orchid and violet with an orange-red beard. Broad ruffled semiflaring form and good stems.

PINK TAFFETA—Rudolph '68. A clear true pink with a big pink beard. This has faultless form, wide, ruffled and rounded, and a show type stem which often displays three or more huge heavily substantiated flowers.

CREDO—Babson '66. Most outstanding and unusual is this heavily ruffled maroon self. We have seen no other quite like this large and beautifully formed iris.

MUSIC MAKER—Waters '63. This very smooth sky blue self with lighter beard excels in grace. It is sharply flaring, ruffled, wide and rounded, and in performance superb. It produces huge flowers on strong stalks in great profusion.

PINK FRINGE—Rudolph '67. Ideal spacing on very good stalks gives added emphasis to the beauty of this heavily laced, moderately ruffled, large and well-formed true pink iris. Self colored with just a hint of blue and a paler area around the pink beard, this is a sharp departure from the usual yellow-tinted-pink coloration.

GINGERSNAP—Schreiner '65. Large, well-formed and long lasting in a very true shade of medium-deep brown, this somber iris is not one to call you across the garden. It is rather to be enjoyed up close where the striking purity of its self coloration and sheen and the excellence of its well-branched stalk is apparent.

IRISH LULLABY—Moldovan '65. Huge flowers, heavily laced, with domed standards and widely flaring ruffled falls, are well spaced on very strong stems. A smooth self with heavy substance and tangerine beard, there is a yellowish undertone in its rich pink color.

ROSES IN SNOW—Noyd '66. This very fine, medium large, snowy white has a bright red beard and the well-formed lacy ruffled flowers are nicely spaced on good stems.

MILADY—Moldovan '66. A clean true pink self, deeper than most; a clump of this gives a good pink effect in the garden. The somewhat tail-

ored large flowers have closed standards and semiflaring falls and are well presented on good stalks.

IMPACT—Kamps '67. Extremely heavy ruffling and fluting gives this very large white iris with its closed domed standards and widely flaring falls a completely different "new look" form. It has such substance that its six or seven buds can keep these stylish flowers on display through a long bloom season.

TUXEDO—Schreiner '65. With a self beard, glossy sheen and branching second to none, this deep midnight blue-black is most imposing in the garden. Lightly ruffled flowers, wide and very clean, have domed standards and falls which flare just a little.

TROPIC ISLE—Fay '65. Large and very smooth with wide domed standards and wide rounded falls, this very light blue-orchid has a pink beard and a very strong well-branched S curved stem.

CAMBODIA—Babson '66. Large rounded flowers are primarily a tan-brown blend, but there is a splash of blue in the falls and the beard is blue.

SUNNY SPLENDOR—Schreiner '65. This rounded, heavily substantced, solid self is a very pure yellow with no undertones of gold or lemon. The long lasting sunfast flowers are weather resistant and there are many of them.

NIGHTSIDE—Schreiner '67. Very similar in all respects to **TUXEDO**, this may be just a bit more flaring and perhaps a little larger. Like **TUXEDO** it has exceptionally fine branching, deep color and a glossy sheen.

FIREBALL—Schreiner '67. Exceptionally well-branched, the large clean cut flowers are a deep tone of red which seems to contain some shades of both ruby and copper. A near self, it has clean hafts and a good sheen.

MUSIC HALL—Hamblen '67. A heavily substantced peach-pink self with slightly deeper beard and near perfect form; flaring, fluted and ruffled. It is very clean and clear.

GLACIER SUNSET—O. Brown '66. Closed creamy white standards have a smoky overlay of very pale lavender which deepens at the base. The orchid-lavender falls, flaring and lightly ruffled, carry a big red-orange beard.

RADIANT APOGEE—Gibson '66. Large ruffled deep yellow self with a big white spot in the falls and brown stippling on the hafts. The colors are bright and the contrast between them is sharp.

STARBURST—Tompkins '67. Very large, perfectly proportioned and perfectly clean, this reddish brown self with self beard and near horizontal falls has a glistening sheen and, most unusual for a brown this deep in tone, has garden color value. It can be seen across the garden.

TIJUANA BRASS—Schreiner '67. Large, with just a hint of ruffling, with flower, wide and full in all its parts, this copper-brass blend, a self with self beard, is good in every way.

ROYAL GOLD—Hamblen '66. Seemingly a pure medium yellow self, there is just enough deeper gold in it to give an eyecatching brilliance to this large, lightly ruffled and, but for a few tiny white lines on the haft, virtually fault free, non-fading iris.

ARCTIC FURY—Benson '64. Deserving of mention because of its snowy whiteness and beautifully sculptured form; it doesn't always reach its normal 36" height.

SAFFRON ROBE—Moldovan '68. Smooth as silk, with no variation in the saffron color throughout the flower, except for the attractive big brown

beard. Large and lightly ruffled, with a color like no other, non-fading and very bright, this is a welcome change from existing yellow irises.

TAWNY MINK—Schreiner '66. More yellow than brown, as bright as the yellows, this blend of the two colors—tawny—like the sleek coat of a lion, is uniquely different. It is a self and the large smooth flowers with flaring, ruffled form have heavy substance.

CIRCLE D—DeForest '65. Very large, with a rounded graceful form, the snowy white standards and falls, bordered with deep violet stitching, are heavily ruffled and the flowers are carried on well-branched stalks.

DENVER MINT—Knopf '63. The beautiful form, fluted, ruffled and flaring, and the general excellence of stalk and branching make this light yellow self most outstanding.

GOLDEN SNOW—Palmer '66. Gracefully waved large snowy white flowers are adorned with very bright bands of golden yellow on the hafts, and carry a matching gold beard.

PUPPET SHOW—Moldovan '68. An exquisite little border bearded that blooms with the talls on 18" stalks with three-way branching. Fluting and heavy substance set off the white, lightly tinted blue, flowers, and there is a heavy brushing of green over the center of the horizontal falls.

AVONBANK GARDENS 1968 Introduction

CENTENNIAL GOLD (Kummer '68). Beautiful, clear, deep, unfading golden yellow without any trace of other color. The brilliance of GOLD SOVEREIGN in a large, tall, well-branched flower of top quality. Fertile, it should yield greater depth of color in the pinks. GOLD SOVEREIGN X pink sdlg.....\$20.00

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Sdlg. 61-9G2. INCA CHIEF X WAR PAINT. TB. 33". ML. This rich golden brown iris is outstanding for its form, substance and finish. Tightly closed stands are very ruffled, and ruffled falls flare gracefully. Blooms are heavy-substanced, non-burning, and have a satiny sheen. Infusions of copper make them seem to change color with the light. Has 2 or 3 short branches and terminal. Placement is excellent and S-curved stem avoids crowding. There are 7 to 9 buds. Plants are of moderate size and produce an average 2 or 3 increase yearly, more under ideal conditions. Fairly fertile both ways and producing excellent seedlings. HC (9 votes) and McKee Medal 1965. \$25.00 NET

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A melon-toned apricot blend which gives a honey apricot effect. The blooms are ruffled and heavily substanded. (Cream Crest x Graduation Gift) X (Mary Randall x Full Dress) HC '66

HAUNTING

RHAPSODY \$25

A metallic lavender-orchid with a picotee edge and white beard. Re-blooms for us. Very vigorous and floriferous. (Marie Phillips X Mahalo)

JUNIOR PROM \$15

A milky lavender blue-white with perfect placement. The petal edges are serrated and bubble-ruffled. Border bearded. (Nina's Delight X Frosted Starlight)

**WILLOW
WISP \$25**

A many budded and late blooming luminescent antique green-gold with a blue flush in the falls. (Mixed Emotions X (Frosted Starlight x Millionaire))

PENTHOUSE \$20

A neglecta with pale blue standards and medium to dark blue falls with a reddish cast. Early. ((Chivalry x Spanish Peaks) x Frosted Starlight) X Mt. Eden))

Joseph J. Ghio

1201 Bay Street
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MY WANT LIST

LARRY M. HARDER

No one who becomes acquainted with the newer irises can say that there are few meritorious variations in form, color or texture appearing on the market each year from our hybridizers. I have marveled at the vast array of new and beautiful selections that are made each year, and my wants always far exceed my budget for new additions to my garden.

When I visit gardens each iris season, I am on the lookout among the new irises for selections that I consider adding to my collection. Would you like to take a look at my want list?

One of my favorite colors is yellow. And among the irises, we are slowly, but surely, seeing improvements in this color class. Goodness! but there have been a lot of good new yellow irises placed on the market during the past few years. Yellow irises were falling behind the other two main colors—the blues and the whites. The improvements in the latest introductions put them back on the 'scene of things'.

Glen Corlew's COUNTY FAIR '66 heads the list as the frilliest. This is a variety that really stands out among the yellow irises. Very wide at the haft, and so heavily ruffled, both standards and falls. It increases well and has excellent branching. Another in the yellow category, but having the white spot on the falls, is Fay's GOLDEN PLUNDER '66. This one has the clearest of color. CRAFTSMAN (Knopf '64) and his DENVER MINT '63 are two very fine additions for your collection of yellow irises.

Deep toned yellow and our gold irises are really advancing. ROYAL GOLD (Hamblen '66) is an outstanding example. This has everything, beauty plus fine garden habits. SUNNY SPLENDOR (Schreiners '65) is a fine yellow even though it has a trifle narrow fall. PIRATE TREASURE (Marsh '65) is a ruffled brilliant gold. Branching is a little close; but, if you cast your gaze over the garden while it is in full bloom, your eye is sure to pick out this variety; it is so brilliant in the planting. TAWNY MINK (Schreiners '66) is a yellow with a tan influence. Very nice, but color tends to be a little dull.

Turning to the lighter yellows and creams, I have loved DEBBY RAIDON'S (Kuntz '65) coloration since it was first seen. Most unusual it is, since the buff-yellow color on the undersides of the falls shows through the white patch on the top, giving us an iris with light buff-yellow standards, falls white, edged color of standards. Everything about this variety sets it apart.

CANARY FRILLS (Bro. Charles '65) has held my interest for a number of years. I have appreciated its beauty ever since the time I first saw it when it was still a seedling. Its flaring form is so perky and adds so much to the garden planting. This is a light yellow with that touch of white in the falls. Niswonger's TYCOON'S GOLD is a huge bright yellow with a white patch below the beard. Lovers of extremely large flowers are going to like this one.

Bennett Jones released LEMON TREE in 1965. This is a gorgeous creation in a soft, very smooth, pale lemon-yellow. The flower is plain, but the extreme flare of the falls and the tightly closed standards appeal to the eye. Excellently branched and bud count is good.

SOUTHERN COMFORT (Hinkle '65) is a tall cream colored iris, the best that I have seen in this color. More work should be done in this color

class by our hybridizers.

We have some new orange irises that are really very beautiful. ORANGE CHARIOT (Fay '65) may be more apricot than orange, but the smooth color and form of the flower is outstanding. Bud count is low and it is not very well branched, but I love the flower. This variety increases very well.

Jim Marsh's new ORANGE TRIUMPH '66 is a lovely thing. Very flared falls, some ruffling and brilliant deep orange color make this iris desirable. Another iris that could use more branching and buds. I am looking forward to seeing the highly rated FLAMING STAR that Gordon Plough put out in 1967.

Lovely additions, to go with the many beautiful blue irises we already have, are being made each year. AZURE APOGEE (Durrance '67) was the star for this year. I had admired this as a seedling in Dr. Knocke's beautiful garden at the convention in Newark. Nearer home base, in the Long garden at Boulder, it was a striking addition to the fine collection of irises we saw there at the convention in 1967. This is a pale blue, almost a white, with a wide blue beard. Bud count and branching were adequate and it will be a stellar attraction in the gardens of the lucky few who were able to purchase it. It sold out early—in fact, I think it sold out at the convention.

Arthur Watkins has continued the lines of blues that he and Edward started that culminated in the Dykes Medal winner ELEANOR'S PRIDE. MT. REPOSE, which was released in 1964, is a soft medium blue with a lilting form that is very lovely. Standards are held erectly, but cup only a very little. I had been looking for this variety in gardens since it was first introduced. This year was the first time I had seen it in bloom, and it lived up to the good reports I had read about it. Now it finds a place in my garden.

I am now waiting to see the new blue that Arthur released in 1967. He called this ED WATKINS, and it is said that it is the finest blue that he has produced.

A new addition to the class of blues, a definite departure from the norm, is Clarence Blocher's 1967 release, MARQUESAN SKIES. This blue-violet sports a red beard and is probably the first finished introduction in this class. The form of the flower is typical of all the blue irises that Clarence has released—all are exceptionally good—tightly closed standards and flared ruffled falls.

Clarence put out a near navy blue he called U.S.S. CONCORD in 1965. This was my favorite iris from the Chicago convention in 1964, where I admired the flower under seedling number. When Clarence said he was going to introduce it I was thrilled to add it to my collection. This iris has a fine carriage and perfect flower form. The yellow tipped beard makes it a little different from having the same coloration as ALLEGIANCE, one of its parents. Branching is excellent, as the flowers are well spaced as they open. Plant growth is good, but it is not a fast increaser, averaging three or four per year for me.

BRISTOL GEM is Mel Leavitt's 1965 addition to the dark blue class. This iris has the large full form of PACIFIC PANORAMA and the color of ALLEGIANCE. These two irises are BRISTOL GEM's parents. Flower color changes as flowers age, but at no time are they not beautiful. Another attribute is the exceptionally good branching, bud count and the stiff and sturdy bloomstalk. I hear he has another that is even better that will be

released in 1968.

One of the clearest blue selfs is Schreiner's CRYSTAL BLUE '64. I have admired it since its introduction and added it to my garden collection right away. Blues are a mainstay of any iris planting and one as beautiful as CRYSTAL BLUE will maintain a place in it for a long time.

The blues that trend towards deep purple have now reached a new peak with the 1965 introduction of Gordon Plough, his GRAND ALLIANCE. Nothing surpasses this for garden beauty. Such sturdy bloomstems display the flowers to such an advantage that each is a show stalk. The wide brown-tipped blue beard adds so very much to the appeal of the flower.

Clifford Benson placed on the market AIR DE BALLET in 1965. This is the finest of the very pale blues that I have seen. One can see why he named it as he did because of the gracefulness of the flower form and the proper proportions of the rest of the plant. I am looking forward to having it bloom in my garden. So far, weather and growing conditions have made it fail to perform for me, but I saw a lovely clump of it in one of our area gardens.

Schreiners have introduced several rich deep violets or purples in the last few years. PRINCE INDIGO (Schreiners '64) was the first one. This has remained a favorite, even after having seen HIGH PRAISE (Schreiners '66). This is another gorgeous creation with a terrificly strong bloomstalk. Now for 1967 we have ROYAL TOUCH, probably the darkest of them all; and in 1968 we will have MATINATA.

Black irises are becoming more intensely black than ever before. And the irritating white lines at the haft which marred the color so jarringly are becoming more faint as succeeding generations of black irises are brought before the public. ECSTATIC NIGHT (P. Cook '63) has been in my garden since introduction, and I considered it a very fine black iris; but SABLE ROBE (P. Cook '66) has added a new distinction to this color. This black iris is almost a self. Standards and falls very even so slightly. The color is very sooty. The overall impression is BLACK. Adequate branching and good flower form add to its appeal. Schreiner's TUXEDO '65 has caught my eye at several national meetings. It was doing so very well at the meeting in Memphis, but the clump at the Botanical Garden in Denver really showed it at its best. Having come through the hail damage and showing its beautiful blue-black form above a strong healthy array of fans, TUXEDO was immediately placed in the ranks of the really outstanding black irises.

Walter Luihn's 1967 introduction of DUSKY DANCER should find it in many gardens of discerning irisarians. The shape or form is different and most appealing. Good substance and nice flare to the falls also add to my liking it so much. It stood the test of weather in Colorado at the convention and came through with flying colors. Light hail had peppered the planting during the morning just before we got to see it, so we really could see how the new irises stood up to the weather.

I am looking forward to the time Roy Brizendine introduces B-54-64, another black that has the most unusual shape. We may call it a novelty because the standards are stiffly held straight upright and are short and round; the falls flare straight out and are also very rounded. Beautiful, but unusual.

Pink irises are appearing in all tints of the color and in all types of forms.

In the soft light pink tints, IRISH LULLABY (Moldovan '65) leads the parade. A wide haft, almost lacy ruffling, self coloration, good branching and fair bud count are its attractions. MUSIC HALL (Hamblen '67) is another very attractive pink iris, a little on the short side, but the individual flowers are perfection. When it opens three flowers on the stalk, one notices how short the stem is. Another impressive pink, although softer in color than others I've mentioned, is Glen Corlew's SIGNATURE '65. I call it a flesh pink; Glen says it is alabaster pink; but whatever the color, here is an iris that has substance. A lovely creation with a hint of lace and gorgeous flower form, it grows well throughout the country, as I've seen it in many gardens performing beautifully.

Deeper in the color tone is Dorothy Palmer's 5565A. Color is a deep pink and flower form is big and wide. Not much ruffles, but one is most impressed with the coloration of the flower itself. We shall need to watch if Dorothy thinks this good enough to introduce.

ROSEANNE (Plough '65) is a luscious rose-toned pink. The red beard sets the flower apart. LAURIE (Gaulter '66) has a very light rose coloration. Hints of shoulder patches in a darker color are indicated at the haft. Bloomstalks I've seen of it showed three-way branching with adequate buds to prolong its blooming season. Another in this tone of color, but border size, is RASPBERRY PARFAIT (registered by C. E. McCaughey).

FLAPPERETTE (C. Benson '65) is a lovely color combination with bright apricot-pink standards and falls white, edged color of standards. Substance could be better; but with such a beautiful color, and so different, one tends to forgive some faults one finds in an iris variety.

HARMONY HOUSE (Marsh '65) is the outstanding iris in this new color class with deep apricot pink falls and pink standards combined in a wonderfully formed iris. Substance shows in this beautiful creation.

ROYAL TAPESTRY (Schreiners '65) is the most outstanding richly colored blend. Shades of mulberry, red and wine make up the basic color in this beautifully formed iris. A blue blaze highlights the falls. Others of similar color as ROYAL TAPESTRY are MARTEL (Tell '62) and GLOWING TIARA (Schreiners '66). But they have obvious faults that mar their beauty, even though they are wonderfully colored. A new blend in a pink and yellow color combination called WISHING HOUR (Corlew '67) is one for which to watch.

I was much impressed with Schreiner's new red called JEWEL TONE '66. The flower form is very nice, much better than the usual form of our red irises. Walter Luhn has a new red iris that is scheduled as a future introduction called CALIENTE. This is the first yellow-bearded red iris that has impressed me. I also noted the outstanding branching of this variety. CREDO which Sanford Babson put out in 1966 is a lovely flared red that is almost black.

I have been thrilled with the fascinating new colors that keep coming from our hybridizers. The WHOLE CLOTH-MELODRAMA lines of breeding have brought forth some lovely color combinations.

A striking addition is Gordon Plough's MILESTONE '65. Butterscotch yellow standards and red-violet falls are different, and somewhat garish. The beautiful three-way branching and terrific healthy growth of the plants that I've seen make it one that many of us will be growing.

FUJI'S MANTLE (Schreiners '66) is a white self, washed and stippled like the Japanese irises with blue on the falls. Big, wide flowers, but a trifle short bloomstem, make the flowers a trifle bunched looking. It is a good variety, as it won the Franklin Cook Memorial trophy at the Denver convention.

DIPLOMACY (Keppel '65) and MYSTIC MOOD (Ghio '67) are two lovely blue neglecta types. Take your pick or grow both, as they are both so very good. It would be hard to choose between them.

LIGHTNING RIDGE (O. Brown '66) is another shocker for the garden. Its pink standards flushed apricot combine with red-violet falls and a shocking red beard that really sends signals to you in the garden. This is another plant showing unusual vigor in plant growth and increase.

I have been adding some of the new plicatas to my garden. BLUE PETTICOATS (Schreiners '65) is one that the name aptly describes, an extremely ruffled and fluted variety in a deep blue color with a white ground.

How can anyone resist the urge to acquire STEPPING OUT? This is a plicata to which we must compare all other purple and blue plicatas. HAWAIIAN HOLIDAY (T. Brown '65) can meet the test, as it is another purple plicata that is a must-have. Tompkins' EASY STREET '66 is another in this class that I am looking forward to see in bloom.

APRIL MELODY (Gibson '67) is a type of that elusive pink plicata. It has a lovely flower form and extremely round falls, and is very wide at the haft. Color is a tint of pinkish lavender.

But Jim Gibson has two other plicatas that I like very much. RADIANT APOGEE '66 is a yellow and white plic, and MAD MAID '66 is a reddish brown plicata on a white ground. Schreiner's HIGH LIFE '64 is a gorgeous burgundy-red plicata that is the 'high life' of a plicata planting. It glows in the sunlight, and when the sun shines through the petals it reminds one of the color found in stained glass.

I would bet many a dollar that MULBERRY WINE (Moldovan '66) will be one of our outstanding garden irises that will be best seen in clump form. The unusual color (a rich mulberry) is not hurt by the few lines at the haft, as the flowers are exhibited on branching that displays each flower at its best. Extremely flared form with tightly closed standards marks this variety as a top-notch one.

I was watching for Schreiner's 1967 introduction ETERNAL FLAME when I visited the gardens on the national tour this year. In two of them this iris was blooming. I was not disappointed in it, as the color is a glowing golden brown with hints or tones of a deeper brown in it.

COCKTAIL TIME (Plough '66) proved to be the high spot of several garden plantings this year. An unusual color—white overcast lavender. The bloomstalk was an extremely heavy one so the huge flared flowers were exhibited well. It might have used a lower branch on the stalk, but I don't think we need to be a purist about some of the flower features.

I could go on and describe many more lovely irises such as CAMELOT ROSE (Tompkins '65); HIGH ESTEEM (Tompkins '66); ORCHID BROCADE (Rudolph '65); MORNING BREEZE (Fay '63); but you are probably like me. You like to see the irises you want to purchase before you spend your money! So, I would suggest you get in your car, or hop on the bus, or make use of whatever transportation you have available; and tour the iris gardens.

1968 INTRODUCTIONS

REX P. and ALTA M. BROWN

12624 84th Ave. N.E., Kirkland, Washington 98033 (Seattle area)

TALL BEARDED

- BAMBOO CURTAIN (Mexican Velvet X Lovilia). M. 36". A huge, wide petaled flower of smooth straw yellow, with velvety golden brown hafts and bronze beard\$25.00
- ELEGANT CHARM (June Magic x Party Lace) X (Galilee x Melodrama). EM. 34". Light, amethyst or lilac, highlighted by a bushy wisteria blue beard. Broad ruffled, flaring form, three branches. Quite elegant and different.....\$30.00
- FASHION FARE (Marilyn C. X Pin Up Girl). M. 36". Standards are peach-pink with fine edge of yellow; falls are lemon-yellow, brushed with pink on each side of the bright saturn red beard. A different color combination.....\$25.00

BORDER BEARDED

- CONSTANT LOVE (Flyaway X Lovilia). EM. 24". A ruffled and lacy smoky orchid-white of flaring shape and dainty size. Light yellow beard.....\$10.00
- DASHING DEB (Apricot Joy X Marilyn C.) M. 27". Like a half ripe apricot, this has the appearance of green with a bright saturn red beard. Lilting form....\$15.00

MINIATURE TALL BEARDED (Table iris)

- DAINTY DOVE (Dainty Dancer X Blue Mouse). M. 18". A well-shaped dainty white that is lightly veined with blue when first open. Slender stem.....\$5.00

INTERMEDIATE BEARDED

- FROSTED CREAM (Snow Elf X Lovilia). E. 20". Ruffled cream with ivory-cream falls, wide and rounded. Petals glisten as though frosted.....\$7.50
- HAPPY HOUR (Dale Dennis X Rococo). E. 18". White standards, heavily overlaid with red-purple; falls are white with narrow border of red-purple stitching....\$5.00
- HAPPY MOOD (Knotty Pine X Rococo). E. 22". Standards white with light blue markings; fluted falls are white with band of light blue markings. Orchid tipped beard\$7.50
- ROSE HARMONY (TB sdg. X Rosy Treasure). E. 20". Wide, ruffled and flaring orchid-rose bitone with wisteria blue beard\$7.50
- TWILIGHT SONG (Green Lilt X Melodrama). E. 23". Light, lavender-blue standards; rich red-purple flaring falls, lighter at the edges. Ivory beard.....\$5.00

STANDARD DWARF BEARDED

- ANGEL MUSIC (M-61; Snow Flurry x Sea O'Blue) X (Green Spot x Blue Denim), E. 13". A ruffled clear lavender-blue of excellent shape; heavy lavender beard\$7.50
- BLUE SECRET (Lovilia X pumila, probably Blue Capers). E. 13". Lovely clear French blue with a small lobelia blue spot around the pale blue beard.....\$5.00
- MYSTIC MAID (Sky Baby X Bronze Babe). E. 14". Smoky wisteria blue standards with tan midribs; rich red-brown falls blending to tan at the edges; tan and blue style crests and yellow beard. Nicely ruffled petals like Sky Baby.....\$7.50
- ROYAL FAIRY (Royal Contrasts X Dark Fairy). E. 14". Beautifully formed, deepest royal purple with a wide fuzzy light violet beard. Velvety smooth and clean..\$7.50
- SPRING LAUGHTER (Easter Holiday X sdg. from lace breeding). A ruffled and lacy clear chartreuse with blue beard; falls slightly darker in the center.....\$7.50
- TIPPY (Centerpiece X Little Imp). E. 12". Bluebird blue standards; rich aconite violet falls with quarter-inch border of blue. Distinctive color\$5.00

MINIATURE DWARF BEARDED

- LITTLE SUNBEAM (Green Halo X Orchid Elf). EE. 5". Cream white standards and rounded and flaring, bright yellow falls with even border of cream-white..\$4.00
- NAVY DOLL (Fairy Flax x Drop O'Blue) X (Wee Turque x Sulina). EE. 5". A well-formed ivory-white with a large dark navy blue spot on flaring falls.....\$4.00
- RED PIXIE (Red Lilli X Albino Doll). EE. 5". Rich rose-red with a large dark ruby-red thumbprint around the lavender beard; excellent shape.....\$4.00

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How I Picture the Iris

FRANK DRAPALIK

This venture into print is not my idea. I have some modest reservations about my qualifications for expounding on the subject, even though it is my number one hobby.

The sole reason for my breaking into literary efforts, on a national scale, is that our vice president asked me to express myself on the subject of photographing the iris and iris personalities, and he is bigger than I. Of course, the request came to me, also, from our busy Bulletin editor, the same big man, and I can appreciate his problems, on a national scale. I once had a taste of the same, on a small local scale, editing a small camera club newsletter; so I have an idea of what it takes.

But let's talk photography, if only for the sake of some new picture-takers in our midst. First, I have simplified the process for my own convenience. I use a thirty-five millimeter camera, the most popular size for making color slides for projection; or, using negative type film, the small size negative can be enlarged to surprising sizes, or for magazine illustration. The camera I use is a German made Zeiss, Contax, model 3A. It is not a single-lens reflex, although at times I have felt that a reflex type camera would speed up the job of covering a nice field of new varieties in bloom.

When I write about speeding up the job of covering a garden, I have in mind the person with the whistle, the one who toots the whistle and yells, "The bus will now leave for the next garden!" You know whom I mean.

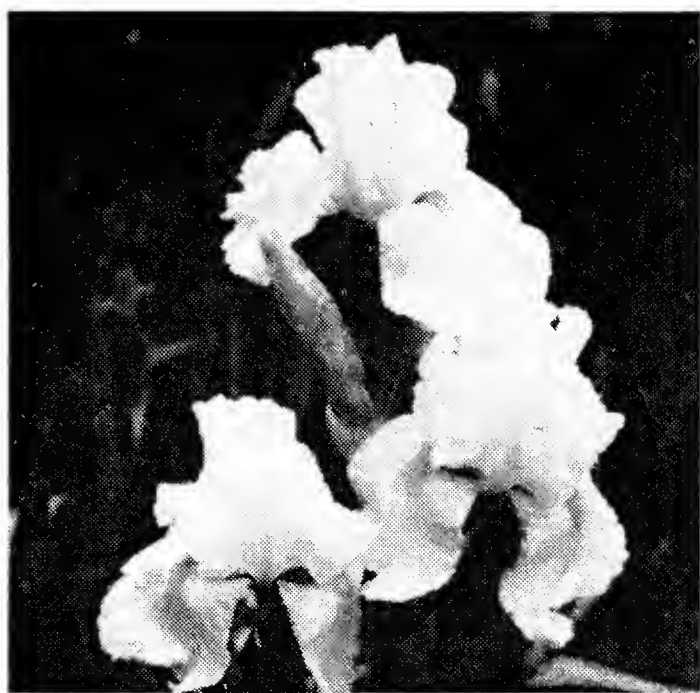
For getting as many good things recorded as quickly as possible, I often use the normal fifty-millimeter lens, and leave the camera pre-focused for its nearest focal distance. Then, with the camera handheld, I merely step up nearer, or step back, until the split-image range-finder is satisfied that the picture will be in sharp focus.

With respect to focus, when I have chosen to picture a particular stalk crowded between other varieties, I take advantage of the light refractive property of a lens to give me a shallow selective depth of field or focus.

I like Eastman's Kodachrome 2 film for this field work, as it is still slow enough to do this for me. I select a fairly fast shutter speed, within the range of the film, and then my exposure meter will tell me to what I must set my camera lens aperture opening. This combination will give me a shallow depth of focus. Thus the stalk I am featuring will be quite sharply reproduced, while all the others beyond will be reproduced in a blurred, non-important look.

This way of thinking also pays off in another way, for while you are using this chosen fast shutter speed, you gain the advantage of the fast shutter action stopping all or much of the wind movement that would give you a blurred picture.

I carry two exposure meters, alike, so that on those difficultly lighted days when I get to doubting my meter, I compare the veracity of the readings of both by pointing them at an open, cloudless spot in the sky; and if they read alike, they have proved my visual judgement to be wrong. It is a



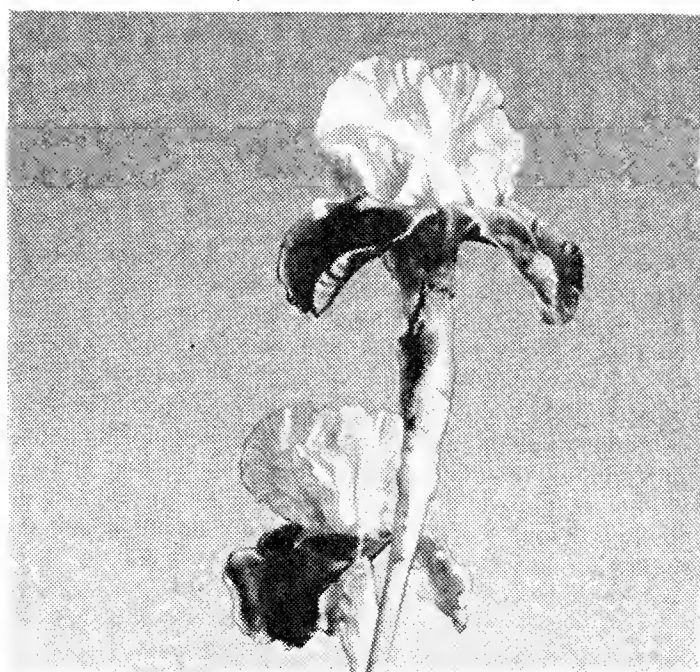
CHRISTMAS TIME
(Schreiners '65)



HEARTBREAKER
(D. Hall '64)



ALLOUETTA
(D. Johnson '60)



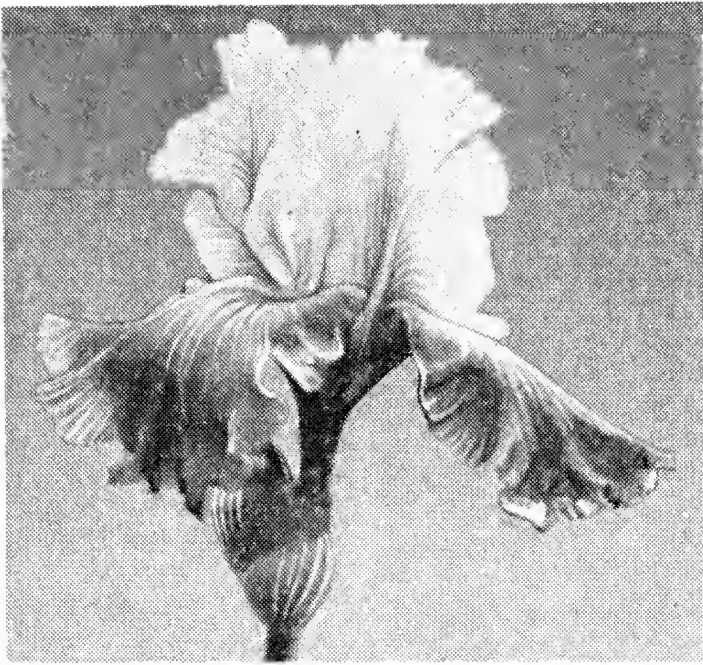
CAMELOT ROSE
(Tompkins '65)

All pictures by Drapalik

nice way to allay a photographer's doubt about his meter.

This little meter is not as magical as it seems. It merely consists, in most cases, of a little disc of selenium, an element that has the property of actually generating a feeble electric current when exposed to a source of light; and this current is fed directly into a delicate meter mechanism that reads the amount of light on a dial; or as the experts would say, it is calibrated to read directly in foot-candles, a standard laboratory unit of measuring the intensity of light. Some of the newer cameras are now equipped with a built-in metering mechanism. These are a boon on those bright days that have a bright blue sky full of swatches of clouds loitering across the face of the sun.

In this modern day of computers and what-not, one can easily think of the little pocket exposure meter as a pocket sized computer, for it instantly computes not one but a selection of a number of correct camera setting



SMART SET
(J. Nelson '63)



CRINKLED BEAUTY
(Schreiners '56)

combinations to get different picture effects, with no more programing than pointing it at the subject material. If you still have some doubt about the proper camera setting, favor the underexposed setting rather than the overexposed. It is the overexposed picture that has that washed-out color look.

Another word to the new picture makers: Don't hold back if you have a simple camera. Study the little instruction sheet that you get with each roll of film, and learn to appraise light conditions from the chart on this sheet; you will be surprised with your reward of usable pictures. I had a neighbor, once, who used the instruction sheet system and she had an uncanny sense of appraising the light value she was working with; in fact, she asked me one day why I bothered with a meter.

There is another simple little accessory that is almost a must for sharp pictures. This is a cable release, a very flexible extension for the shutter release button. I use one about ten inches long, and when I am working fast in a new garden, trying to record as many new irises as possible, I hold the camera up to my focusing eye and firmly up to my forehead, to help hold it steady; and the cable release helps to prevent conducting to the camera any possible vibrations in squeezing the plunger on the cable.

I seldom photograph an entire garden because of the wide variety of color values. I feel that some are sure to be exaggerated and some slighted, for after all, any picture can be referred to as a mathematical equation, a varying amount of light passing through the lens in a certain length of time, and certainly no such equation can be all-encompassing.

I use the fast working system when I am working on garden tour trips when time is at a premium; otherwise, I too use a tripod and selective lenses when there are no deadline whistles.

I have tried to keep this article between us amateurs on a simple, easy to understand plane, knowing it would take quite a shelf of books and a good part of a lifetime to learn all of the fine points of the art of photography. Even then the camera and film industries are forever moving

swiftly forward, so even if you should "splurge" on an outlay of fancy equipment, the camera trade, especially, would soon "orphan" it with new, improved, and higher priced models.

In summary, then, I would suggest a good thirty-five millimeter camera. Get acquainted with its operation.

Get a cable release, and an exposure meter.

Stick to one kind of film, at least till you learn to use it to its fullest possibilities.

Now go out and ask the iris personalities for a portrait; they will be flattered. And shoot the iris blooms; they too will hold still.

HAPPINESS IS A SILVER MEDAL

BILL FRASS

It's show time again and across the land over one hundred people will have the fun of winning a Silver Medal certificate. This pleasure will be doubled if the blue ribbons include a Queen of the Show—not for the prizes won but for the joy of growing, selecting, grooming and entering some fine exhibition stalks of iris.

Lucky is the exhibitor whose garden peaks at show time. Timing is everything. All of us have seen some great stalks come on too early or bloom too late for the show. Nothing can be done about the weather but a check of show dates may reveal a show in a neighboring city which will hit your garden right on the nose. A hundred mile drive today is no problem and most committees will welcome some out-of-town entries.

Some steps can be taken to lengthen the bloom period on good show varieties such as VIOLET HARMONY and ROCOCO, by planting them in three or four different locations. One may be set in partial shade, others on opposite sides of a fence or building. Refrigeration can be used effectively to hold back buds a week or more but I have had no luck with this on open flowers. The flowers will sometimes hold up but they have a drab appearance and most judges will not vote for them. If stalks are refrigerated they should be cut in tight bud and placed in water standing upright. Even a slight angle will tilt the buds overnight. A wad of chicken wire jammed tightly into the bottom of a three pound coffee can provides an excellent container for this purpose. One inch cross slits in the plastic lid of the can gives added support. Three or four stalks can be stored in the same can.

Forcing the blooms out earlier is more difficult. Warm water and hot bricks in the garden have not worked very well for me. Electric heating cable might be used effectively to offset a cold snap. I have had some success with cut stalks by placing them in tepid water in a warm room under a bright light. RIPPLING WATERS which won the Oklahoma City show last year was cut in a cold rain and given this heat treatment. A friend of mine from Kansas won a "Queen" several years ago by forcing out some tight buds in a steamy motel bathroom the night before the show.

One week before show time is not too soon to begin spotting potential TB exhibition entries. Always look for straight, sturdy, well-branched and



Mr. and Mrs. Bill Frass with DENVER MINT, Queen of the Enid Show.

balanced stalks. Those showing possibilities of three or more open flowers at the same time should be given special attention. Many varieties rarely open three flowers at one time. Two open flowers with well balanced buds makes a good entry. The top flower of course must be open. Sometimes a bud can be held back for others to catch up by wrapping it in tissue paper tied snugly, but not tightly, with soft yarn. This is a delicate operation and often ends in disappointment. When released some flowers pop open too quickly and tear while others will show a crease. Pressed branches and buds may be improved with a tight roll of paper wedged between the branch and main stalk. Several days are usually required for this to be effective. Think twice before attempting these experiments. The flower is fragile and a good entry may be ruined by a move which even if successful might result in only a minor improvement.

I like to cut the stalks a day or two before the show so they will open indoors away from the hazards of wind and weather. If handled one at a time the stalks can be properly labeled and thoroughly inspected for faults. The first grooming can be done at this time. Spotty foliage should be trimmed or removed. A piece of chicken wire tacked across the top of four

1"x2" risers nailed to the corners of a wooden Coke case makes a handy place to keep the iris indoors. If you arrange two of these, one should have risers about 12" high and the other about 18". These crates are excellent for hauling flowers too. Keep water in the bottles and use rubber bands or pipe cleaners to anchor the stalks to the chicken wire for long hauls. Large stalks may require some trimming to fit the bottles or in some cases the substitution of jars for bottles.

Many fine articles and tips have appeared in the BULLETIN on the culture of TB's. All are good but there is no substitute for cleanliness and space. One thing that all do not agree on has worked well for me. This is cultivation. I like to scratch the soil lightly after every rain and keep a dust mulch whenever possible. New soil is great for irises, but after ten years in the same yard I find it necessary to add a little well balanced fertilizer each spring.

Whatever system you use may the year '68 be a good one for you with many blue ribbon winners and maybe even a Silver Medal or Queen of the Show.

INTRODUCING

MY DREAM. Amoena. Flower size about 6". White standards; light lavender pink falls. Hardy. Gave an F₁ amoena in a large size and form of pod parent. Diploid border amoena X TWILITE SKY. TB. Counted tetraploid by Jet Laboratories. Fertile both ways. Special\$20.00

BLUE SPACE. (Median). Medium blue self, including beard; flower size and height in proportion. Green-gold area around beard. GREEN METEOR X (BLUE SHIMMER X SULINA) X GREEN SPOT. Each.....\$5.00

Al Motsch 600 S. Pine, Mt. Prospect, Ill. 60056

INTRODUCING FOR 1968

WHITE CAPRICE. Sdlg. 65-4. RUBY LIPS X 60-4: NEW SNOW X PARTY DRESS X LIPSTICK X LIPSTICK sdlg. HC '67.
Pure white, red-tangerine beard; outstanding form, substance and branching. Vigorous. Fertile both ways. Midseason. 34". \$25.00

Other Originations

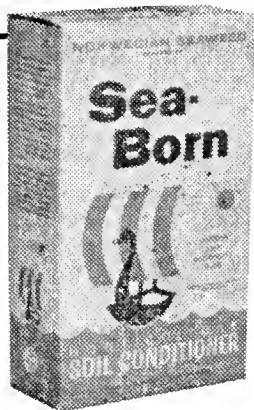
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NORTHERN AIRE '65. Light blue, heavily ruffled and fluted; well-branched. HC '64. \$10.00
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JAPANESE IRIS PERSONALITIES

Below: Left to right: W. E. Ouweneel, Bee Warburton, C. A. Swearengen, Eleanor Westmeyer, W. A. Payne.

THE POT CULTURE OF JAPANESE IRISES

WILLIAM E. OUWENEEL

In the April, 1967, issue of *The Review of The Society For Japanese Irises* Jack Craig tells how Japanese growers, hobbyists and hybridizers alike, have solved the problem of limited space and soil in growing Japanese irises (*I. kaempferi*). In doing so they have also developed a system of rapid, vigorous growth which lends itself to greater enjoyment of the flower as a household decoration. Plants are grown in pots which may be as small as three inches in diameter and yet produce eight-inch blooms a year later. Eight-inch pots produce plants comparable to those grown in the garden. Perforated cans may be used instead of pots. They might survive some winter conditions better.

To begin with, a plant is dug up immediately after blooming, cleaned, and the leaves cut back to about six inches. The mother rhizome is sliced in two with a sharp knife, leaving half attached to each daughter rhizome.

Each division is planted in a pot or other container of convenient size. The soil should be slightly acid. A heavy clay is preferred in Japan, but plants have been raised there in pure sawdust.

The potted plant is then placed in a vessel or tray deep enough to hold two or three inches of water. Its length and width, of course, will be determined by the number and size of pots. If more than a few pots are to be handled, a shallow box may be lined with polyethylene plastic sheet. The box may be placed on a roof, ledge or any other sunny spot. A larger tray may be made by placing a frame of narrow boards laid on edge on the ground and laying the plastic sheet inside the frame. With a large tray it may be helpful to have a layer of sand beneath to make easier smoothing and leveling of the ground surface. In one instance it was found necessary to put a layer of black roofing paper beneath to keep crawfish and rodents from puncturing the sheet. Polyethylene sheet may be obtained in most building supply stores. The heaviest available grade should probably be used.

After the potted plants have been placed in the tray, two or three inches of water are added and maintained. No fertilizer is used until new growth amounts to about six inches. Then 10-10-10 fertilizer is added, either dry to the water in the tray or as a solution. If added dry, care must be taken to have it uniformly distributed and completely dissolved. The fertilizer should, preferably, be completely soluble. The amount of fertilizer used must be determined by observation and experience. Mr. Craig says, "A plant's leaves will act as a guide to the amount of fertilizer needed. Start with a handful or so and add more every day or two until the leaves are a deep blue-green color. In properly acid soil as long as the leaf has a hint of yellow the plant has not received sufficient fertilizer. It is amazing how much they will take even of the strong chemical fertilizers."

Fertilizing is discontinued late in the summer to harden the plant for winter and resumed after six inches of new growth in the spring. Mr. Craig adds, "There seems to be little danger of burning them, but as soon as buds break from the leaf fans beware! Stop fertilizing at once." Fertilizing when buds and flowers are visible, Mr. Craig says, produces short-lived flowers and stunted buds. He also adds, "Over-fertilizing will cause white flecking on the petals of dark varieties." Mr. Craig's fertilizer quantities are probably based on about a hundred pots.

"When buds start to open," he continues, "the potted plants may be displayed in the house or the patio where protection from the sun, wind and rain will result in more perfect, longer-lasting blooms. In Japan plants are traditionally displayed inside in front of a folding gold screen, which is very effective."

Winter handling will depend largely on local conditions. Plants should be allowed to die down normally and water should be removed from the trays. The soil should not be moist during the winter for fear of rot. Neither should it be bone-dry.

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INTRODUCING

THE DWARF CREATIONS OF REV. DAVID B. SINDT

We are proud that Rev. Sindt has selected us to introduce these six splendid new dwarfs. They were all born and bred in Minnesota, the test garden of the nation for hardiness. They are all distinctly different from previous varieties. They are all vigorous growers, prolific and floriferous.

GARNET GLEAM. MDB. 4½". (Sdlg. G100. SPRING JOY X unknown). DIS Test Garden Certificate 1967. Fine red-violet self; falls slightly deeper. Neat pale blue-white beard. Wide petals and good form. The garden effect is quite red. Very early\$5.00

SUN SPARKLE. MDB. 4". (Sdlg. D101. Presumably CARPATHIA X self). Bright, clean yellow self with yellow beard. Much deeper yellow than any other pumila. Very tiny, well-formed flowers. Blooms for two weeks\$5.00

TIGER BLAZE. SDB. 12". (Sdlg. F701. INCA CHIEF X SULINA) HC 1966. Brilliant deep yellow standards; rich deep brown falls with a wide border of bright yellow. Yellow beard. Very wide petals; rounded form. The brightest flower of its size, with great carrying power\$7.50

DARK SPARK. SDB. 11". (Sdlg. D700. BLACK FOREST X SULINA) Bright deep violet standards; blackish violet falls edged same color as standards. Gives the impression of a black signal patch. Deep violet beard and stylearms. Flowers well-proportioned and jaunty in appearance\$7.50

PARCHMENT PLUM. SDB. 12". (Sdlg. E700. INCA CHIEF X SULINA) Standards are a soft light tan. Falls are rich deep red-violet with a clean edge of tan. Yellow beard. Wide rounded petals. Appealing personality\$7.50

SPARKLING CLOUD. SDB. 12". (Sdlg. C702. INCA CHIEF X SULINA) Subtle, smooth blend of light lavender-blue and light tan, with a flush of lavender around the blended grey beard. The garden effect is a delicate silvery gray. Very wide petals; rounded form. Nothing else remotely like it\$7.50

1967 INTRODUCTIONS

MINNESOTA GLITTERS (Bakke-Messer 1967). TB. 28". A bright, fresh shade of glittering intense apricot overlaid with a flush of pink. Touch of gold in the throat. Dark tangerine beard. Deeply ruffled. Heavy substance. A standout in the garden and a fine grower and increaser\$20.00

PINK WHISTLE (L. R. Smith 1967). TB. 32". Very clear non-fading pale pink, very ruffled and flaring. The beard and the huge ruffled stylearms are a darker shade of pink. Falls are so broad that they touch at the hafts. Excellent substance. Very strong stalks with fine branching\$20.00

GLENZULA (Bakke-Messer 1967). BB. 24". Lovely border iris in iridescent light tan with a peach cast, deepening at the edges. Broad falls lightly marked at shoulders in brown-tan, blending to ivory below the light orange beard. All petals and the enormous stylearms are heavily laced. Lace has appeared in all its seedlings. Named for us, Glenn and Zula Hanson\$12.00

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JANET MARIE. #965-10. Each \$25.00

Aureolin yellow self (Wilson 3/1). Deep yellow beard. 61-18 (MARY RANDALL X TRULY YOURS) X MOONCREST. Beautifully formed, ruffled and laced. Well-branched and vigorous. Named for our little blond granddaughter. M-L. HC 1967.

THREE GRACES. #1265-10. Each \$25.00

Pure white self. Vivid red beard. MIDWEST MAGIC X Rudolph 63-45 (Sib to CRYSTAL BLAZE). Exquisite form, with ruffling and lace. Well-branched, vigorous. Named to acknowledge gracious assistance of three great breeders—Fay, Hall and Rudolph, in its breeding. M-L. 34". HC 1967.

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1968 INTRODUCTIONS

SPRING LYRIC. Sdlg. #6565A. (LILTING MELODY X FAIRY FABLE). As can be expected from its parents, this luscious sparkling iris is a true pink self with a pinkish coral beard. It is a mass of ruffles and fluting. The beautifully formed flowers have strong arched standards, wide flaring falls and starch-like substance. A strong grower with wide heavy foliage. Has unusually superb, wide candelabra branching on a sturdy S curved stem. A hard one to resist.

36 inches Midseason HC '67 Net \$25.00

DANCING SUNBEAM. Sdlg. #8465A. (4455B x 8563B). (An involved parentage of pink, yellow and a bit of red and brown). A lovely crisp shimmering light yellow and white iris. The crimped and flounced flowers have well-held pale yellow standards and crystal white falls rimmed with a wide border the color of the standards. Has a brilliant patch of glittering gold at the haft with a matching beard. The wide heavily substantanced flowers are clean and clear. A good stem and excellent growth habits. Sunbeams do dance on this iris.

37 inches Midseason HC '67 Net \$25.00

PREVIOUS INTRODUCTIONS

GOLDEN SNOW—white with gold hafts	\$20.00
WINTER PAGEANT—white	20.00
SEABORNE—light medium blue	15.00
CHARM SCHOOL—cream and white	12.50
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BUCKLES IRIS GARDEN

CELESTIAL DAWN. Sdlg. 66-5. CELESTIAL GLORY X DAWN CREST. TB. M. 34". Apricot-orange self. Large bloom lasts well on well-branched stalks. Domed standards and flaring falls.....Net \$25.00

MISTER RHETT. Sdlg. 63-21. TECHNY CHIMES X RIVIERA. TB. M. 34". Golden yellow self. Large bloom on strong well-branched stalks. Domed standards have a pebbled finish. Flaring, very ruffled falls. Substance and bud count are excellent. HC '67; received 20 votes.....Net \$25.00

OLYMPIC KATE. Sdlg. 63-60. OLYMPIC TORCH X LEORA KATE. BB. M. 20-24". Domed standards are golden yellow; falls have cream center with a deeper yellow edge. The flower is very ruffled and of good texture. Strong stalk, well-branched, very attractiveNet \$15.00

JANICE RUTH. 1967. TB. AMETHYST FLAME X ORCHID JEWEL. Deep lavender self. Very lacy. Strong stalks. Substance, branching and bud count are good. RTG Award '66\$20.00

LILA CAROL. 1967. TB. LILAC BOUQUET X PRETTY CAROL. Large rose-pink self. Substance, stalks and branching are excellent. HC '66\$20.00

DEBRA JEAN. 1966. TB. AMETHYST FLAME X Mission 51-33. Lavender with overlay of silver. 34". M. Lacy and ruffled. Substance and bud count good. HM '67\$15.00

JUNA KAY. 1966. WHOLE CLOTH X HELEN McCAUGHEY. TB. M. 34". Lovely dark blue. Four-way branching, with high bud count. Strong stalks. Substance very good. HM '67\$15.00

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TOOTH ACRES 1968 IRIS INTRODUCTIONS

EGYPTIAN PRINCE. Sdlg. C-466. TB. 36". M-L. BV1D
((GRAPE ARBOR x BLUE BERMUDA) x ALLEGIANCE)) X (PIERRE MENARD x BLACK FOREST). Blue-purple self; yellow beard tipped blue. Exceptional size and shaped like ALLEGIANCE. Good branching on large leafed plant. Firm substance and satin texture. A better purple.....\$25.00

PICORA'S DAUGHTER. Sdlg. C-4622A TB. 16". E-M. 01P
PICORA PINK X ESTHER FAY. Charming fluted pink self. No other color tones. Sturdy plant; many blooms.....\$25.00

GOLDEN COIN. Sdlg. C-2614. BB. 26". E-M Y1F
(CHANTILLY X PINK FORMAL) X LIMELIGHT. Bright yellow with flaming beard. Flaring falls and closed standards. Fluted. It's a darling; seeing is believing\$15.00

POINT CLEAR. Sdlg. C-264. TB. 36". M-L 01P
LILTING MELODY X PICORA PINK. Medium pink self. The cleanest pink I know; no tan or blue tints. Flaring falls and closed standards; ruffled. Blooms prolifically on strong stalks. Carrying the quality of both parents.....\$25.00

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INTRODUCTIONS FOR 1968

SWEETHEART AT TEA. Deep apricot-pink; pure orange beard....	\$35.00
SERGEANT CAMPOS. Large mauve; orange beard, strong grower	\$20.00
PEARLS AND LACE. Pearly russet; lacy edges	\$20.00
BLACK MONK. Blue-black of good form	\$17.50
INKWELL. A strong growing brown-ink color	\$17.50

OTHER LATE INTRODUCTIONS

GILDED HEIRESS. Pink-flushed standards; white falls; both gold edged and haft. One to a customer	\$35.00
WHIRLING CREAM. Large cream WHIRLAWAY	\$22.50
ERNIE OF SYRACUSE. Satin ivory with protruding orange beard	\$22.50
MERRY CHRISTMAS. Large wavy white; red beard	\$20.00

1968 Introductions

SUNSET SHADOWS. Sdlg. 66-1. PACIFIC PANORAMA X SUNSET BLUES.
Large, smooth, aster violet self. Broad hafts, closed standards. Good
branching and many buds. Ruffled. Self beard with slight blue tinge.
35". Late. HC '67Net \$25.00

WAVES AND FOAM. Sdlg. 66-2. PACIFIC PANORAMA X SUNSET BLUES.
Large blue and white amoena. Broad falls which flare. Outstanding can-
delabra branching from the ground up. Many buds. 36". Late.
.....Net \$25.00

Previous Introductions

SUNSET BLUES. MELODRAMA type; very broad.Net \$15.00
TAFFY TWIST. Greenish buff; unusual.Net \$20.00

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GENTIAN ETUDE (Georgia Hinkle '68), T-23-5. \$25.00

32". L. A huge iris of magnificent proportions yet quiet dignity lends a touch of Victorian elegance to the garden. Fully ruffled standards of gentian blue (Plate 43/3 Wilson's Colour Chart); crown finely ruffled. Falls held horizontally for one-half of their diameter; then gracefully dipping. Central portion of the falls is highlighted, giving a luminous quality to the very pale, greenish yellow overlay. Daffodil yellow spills over the hafts. Closed standards are so deeply waved that they lay in outward folds. Moderate branching holds an average of 7 buds which develop into flowers of unusual substance. Parentage: LASATA X R-15-1. (LASATA and R-15-1 are from years of line breeding from LE BEAU, SYMPHONY, MAGIC MORN.) HC 1965.

GENTIAN ETUDE can be ordered now for delivery in July. Send your order, including 50c for packing and handling to:

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Since 1941 Home of the Aril Iris of the Great Lakes Region

1966 INTRODUCTION

BIG BLACK BUMBLEBEE. Arilbred, 24", E-M, Sdlg. 65-4. S. deep amethyst-pink, veined dark mulberry; F. similar but darker; beard bronze. Black signal. Thesus X Wo 1 Sdlg. (C. White). Here we have an arilbred that has as clear a signal as any pure onco. The name was given because from a distance the signal looks like a large bumblebee sitting on the falls. It is extremely hardy and easy to grow. Does not go dormant and increases rapidly.

Was withheld from sale in 1967 because it was sold out in '66 but is again offered for sale at the same low price as of 1966. H.M. 1967 \$20.00.

Aril Slides

We have two slide collections of 150 slides in each of pure arils and arilbreds taken in our garden during 1963 to 1967. These may be had free to any person who wants to show them to a flower club or social gathering interested in aril irises. A thirty day notice must be given to assure them for a certain date.

SEND FOR CIRCULAR for other Arils and Arilbred irises

HENRY DANIELSON

Visitors Always Welcome

Iris from the Gardens
of
James E. and Searcy S. Marsh

PRAIRIE SKIES (Marsh 1968) M. 34". Seedling 65-33. GALILEE seedling 61-30 X ELLEN MANOR.

This new giant has excellent form and substance with arched and very ruffled standards that are closed. The falls are wide and flaring to a 45° angle with very heavy ruffling all around and onto the wide clean haft. The huge sky blue flowers are self (Wilson 43/2) which do not fade. Branching is good with up to nine huge flowers to a stalk. The plant is rugged and a good increaser, with healthy blue-green foliage. Fertile both ways. HC '67. \$25.00 each; \$45.00 for two; three or more \$20.00 each.

Our 1967 introduction, SKY HARBOR (description in our ad in the April and July 1967 Bulletins), will be \$20.00 each; two for \$35.00; three or more rhizomes \$15.00 each.

Our 1966 introductions, ORCHID DANCER, BRIGHT MOON and ORANGE TRIUMPH (descriptions in our ad in the April 1966 Bulletin), will be \$15.00 each; any two \$25.00; three or more rhizomes, any combination \$10.00 each.

Our 1965 introductions, DISTANT HILLS, HARMONY HOUSE and PIRATE TREASURE (descriptions in our ad in the April 1965 Bulletin), \$10.00 each; any two \$17.00; three or more any combination \$7.00 each.

Our 1964 introduction PRAIRIE BLAZE, will be \$5.00 net.

We give no discounts other than the deductions for quantity stated above. There will be no extras. We have no catalog or list and no other irises for sale. We will replace any losses through any causes as a courtesy to our customers, as long as we have available stock.

We wish to thank our many customers for their fine patronage in the past.

MARSH GARDENS, 3904 N. Ottawa Avenue, Chicago, Illinois 60634

Z. G. BENSON'S Introductions for 1968

DRIFTING SANDS—Sdlg. S14-1. TB. 32". M. Light sandy chartreuse self. A large flower of good form and substance quite a bit lighter in color than its pollen parent WAYWARD WIND, and is a different cultivar than the one we registered as DRIFTING SANDS in 1965, but did not introduce. Has domed standards, semi-flaring falls, ample branching with good bud placement. Fertile both ways. Light brown sdlg. X WAYWARD WIND Net \$25.00

SUMMER DAWN—Sdlg. SF 3-9. TB. 34". M. Apricot-peach blend. This has an average size flower of good form and substance, closed standards, semiflaring falls that are wide with a nice red beard that sets the whole flower aglow. Good growth habits. Fertile both ways. MARILYN C X CELESTIAL GLORY Net \$25.00

INTERMEDIATE IRISES

Co-introduced with MISSION BELL GARDENS, Roy, Utah 84067

TEX-O—Sdlg. SF109-4. IB. 16". EM. Old gold self, with round petals, closed standards, flaring falls that are a bit darker at haft, and a nice brown beard. Has pollen. ZING X FRENCH.

TEKO—Sdlg. SF 109-5. IB. 16 to 18". E-VL. Sulphur yellow standards; falls deeper at haft, with a deep orange beard. A round form with flaring falls that are nice and wide. On an established clump in our garden, it started blooming with the SDBs, and finished with the TBs. Bloom stalks grow taller as the season progresses. ZING X FRENCH.

Ample stock of these two permits the low introductory price of \$5.00 each or both for \$7.50.

Z. G. BENSON

2211 Denver, Wichita Falls, Texas 76301

NATIONAL ROBIN PROGRAM DIRECTORY

National Robin Program Director

Bill Krasting, 86 N. Kings Highway, Cherry Hill, N. J. 08034

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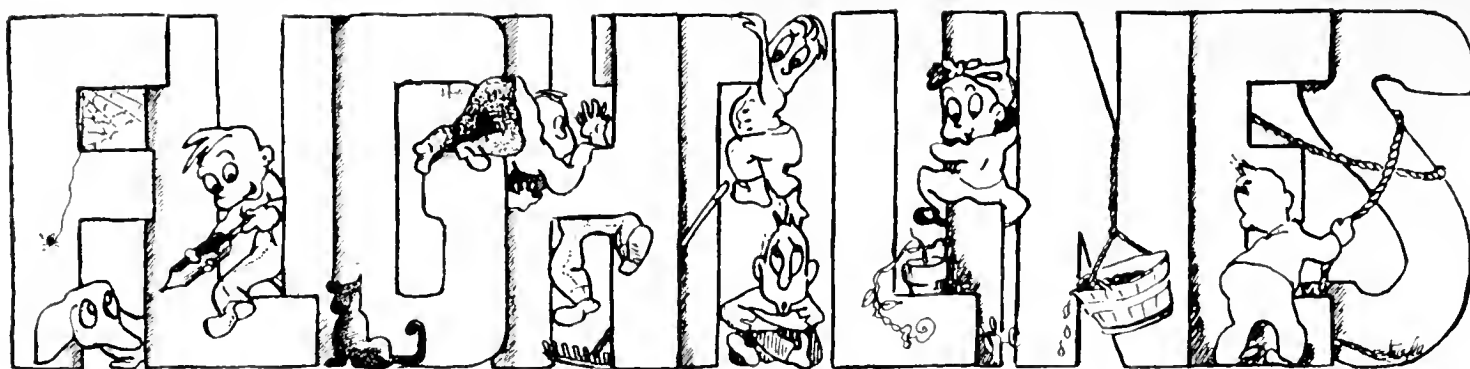
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PEGGY BURKE GREY

A NEW DIVISION CHAIRMAN

Two of the AIS Robin Program's most dedicated people, Lillian and Collie Terrell, have had to resign their co-chairmanship of the General Hybridizing division because of Lillian's ill health. We're happy to report that she's well on the road to complete recovery. On behalf of all of their fellow workers in the Robin Program we offer sincere thanks for a magnificent job over many years of service to AIS. They'll remain on the Administrative Council, and of course, continue to produce their gorgeous award-winning irises, the latest of which is *FLIGHT OF ANGELS*, expected to be a star of the Melrose Gardens convention planting this year.

Taking over duties as chairman of the General Hybridizing robins is Irene Silfies of Shamokin, Pa. Irene has had many years of robin participation in Wilma Vallette's Advanced Hybridizing division. She is the breeder of such irises as *MY FAIR LOVE* and the recent median *FAIRY SONG*. Besides iris-ing, she paints, when she has the time.

CALLING ALL ROBINS

Flight Lines moves into its 12th year this month. It's a good time to give thanks to the wonderful corp of robin reporters who have made it possible. They're the ones who do the often thankless job of finding material in the robins for this section of the Bulletin. And right now we need more of them. We'd like to ask each Robin Director to make sure each robin has a reporter who will send interesting excerpts directly to the Flight Lines editor, name and address shown above.

Some Memos of Interest

Dr. Irene Van de Water of New Pals, New York, has taken a sabbatical leave for six months in order to work on iris diseases. For over a year she has been growing specially propagated "clean" iris seedlings in her college greenhouse preparatory to studying virus disease and "scorch." Irene has long been an active participant in median robins and all irisdom is fortunate to have her put her talents to work on behalf of healthier plants.

Carol Ramsey's whimsically numbered Robin #44½ members may have found one way to solve the problem of enclosures (slides, pictures, schedules, etc.) that manage to disappear from Robins. "Each member jots down at the end of his letter a list of the enclosures. For example:

Jones: Show Schedule

Johnson: 4 slides

Smith: 2 slides

Brown: 3 pictures, 1 news article

This only takes a moment and it's easy to check on yourself by referring to the letter before yours. Gives us an exact count on enclosures. We've been doing this for a couple of rounds now and the enclosures have doubled since we began this. The slides and articles help to keep robin interest

up, so perhaps other robins might like to try it."

From A Cultural Standpoint

Victor Scholz of Los Angeles reports an interesting achievement with some Japanese iris seedlings. "I got three blooms from 20 plants raised from seed last year under Gro-Lux light. In other words, first year bloom by artificial lighting alone. When the seedlings were 6" high they were transplanted, 3 in a pot, heavily watered and given 14 hours of light per day; temperature varied with the weather."

Ila Nunn in Houston found a peculiar problem last spring. Nearly all the iris that bloomed had hard bud cases which had to be split by a fingernail and pulled back at the top so the flower could open. She asked to hear from anyone with an answer for this puzzle. (Mrs. Stayton I. Nunn, 11122 Claymore Drive, Houston, Texas 77024.) We would too; it's a new one to us!

Carol Ramsey adds some comment to the inevitable conjecture about cutting back iris foliage. "It has been my experience that when iris fans sustain severe injury they should definitely be cut back. I wondered about cutting back the fans during a heat wave one summer. I tried it on a few and, lo and behold, the few I cut back seemed to come to life again long before the others. I didn't cut these as far back as after the freeze or tornado. just a bit below the dried out, brown part of the fan."

Bee Warburton reports on her experience with the weed killer Simazine. "Apparently Simazine hasn't affected the Japanese irises at all. Whereas some of the small bearded irises have leaf tips browned by it, none of the Japanese do."

Everett Randles in Sherman, Texas, reports some of her cultural secrets; "Clorox controls several kinds of rot; so does gypsum. The way I sterilize one spot or clump: make up a tub of permanganate of potassium to a really red. Saturate the soil and soak the rhizomes for 30 minutes. Let dry a few days; replant. I used this method on the only spot of 'scorch' I ever had. Never had another."

For plants that heaved rather badly, Sarah Wing Highley put sand over the rhizomes and put a brick on top to hold the plant down. It's an old method worth repeating, if you live in an area where winter ground freezes might occur and didn't mulch heavily.

Charlotte Gantz ponders a problem. "I've been wondering *why* I get poor results when I transfer from peat moss to soil. Had a couple of aril-breeds last year which turned up rootless after a late planting in November. Followed some advice of Henry Danielson's in an Aril Society publication that the rhizomes should be dusted with Rootone and the iris potted in peat moss and watered with Hyponex. Both irises responded marvelously, developing leaves and terrific root systems. When planted out, though, only one maintained growth, the other shrinking to dwarf size."

An admirable rock garden plant, which is frequently reported very difficult to grow, but worth it, is *I. mellita*. From England from Gladys Watson comes this information: "Dykes gives the following advice as regards cultivation. 'Essentially a plant for rock gardens where it does well in a sunny well-drained position in a limestone soil. It should be transplanted every two or three years for it seems to exhaust the soil within reach of the somewhat limited root system if left too long in the same place.'"

Noyd's 1968 Introductions

- COOL (Sdlg. N65-98-5) IB. 21" E-M. S. pale greenish yellow; serrated edges and styles; F. greenish yellow, white at lower edge; yellow beard with white crest. (PHOEBUS APOLLO x RAINBOW GOLD) X GREEN SPOT\$15.00
- CORDUROY AND LACE. Sdlg. N63-8-3 TB. 34". M-L. Lacy white self with corduroy like ridges below the coral-red beard, with white tip. OVERDUE X ARCTIC FLAME\$25.00
- FLEUR ADORE. Sdlg. N62-36-63B TB. 36". M. A lovely flaring light blue self. SUN LAKES X GALILEE\$25.00
- HORNED SUNSHINE. Sdlg. N64-90-48. TB. 36". M-L. Light yellow bitone with light yellow S. and a little deeper falls; long horned beard. GLITTER GLOW X LEMON SPOON\$25.00
- IRISH DELIGHT. Sdlg. N64-60-65. TB. 34". M-L. Greenish self with a green beard. (GREEN TINGE x WOODLAND SPRITE) X sibling.....\$25.00
- JOY RIDE Sdlg. N65-40-1. TB. 34". S. brown-red; F. white with deep reddish brown border. PLICATA LACE X HENNA STITCHES. A plicata\$25.00
- KICK OFF Sdlg. N65-91-2. TB. 36". L-VL. Light blue self with a red beard. I've been working this line for a long time and at last I feel it is ready to introduce. (GALILEE x PRETTY GAY) X (MY HAPPINESS x sib to ALBINO GIRL).....\$25.00
- LOTTA CHARM. Sdlg. N65-70-4. TB. 36". M-L. Lack orchid standards: F, top third white; lower part deeper orchid, fluted. The beard is red. (N62-30-60: FLAMING BEARD x GLITTERING AMBER) X CHINESE CORAL.....\$25.00
- WIND RHYTHM. Sdlg. N65-97-4. TB. 33". Very flared, lacy white self with buttercup yellow haft and red beard. Two Noyd seedlings involving SPINDRIFT, MELITZA, MT. WASHINGTON X (PRETTY GAY x REVEL) x LUXURY LINE.....\$25.00

NOYD'S IRIS GARDEN

1501 Fifth Street

Wenatchee, Washington 98801

INTRODUCING FOR 1968

TYCOON'S GOLD

This is Sdlg. 33-63 that you may have seen or heard about from the Denver convention. It received 61 votes for an HC Award in 1967, which is thought to be a record. It also received an Exhibition Certificate in '67. It's a large, slightly ruffled, yellow with a white blaze in the falls, supported by an extra heavy stalk. The falls are semiflared and the substance is heavy, as those attending the convention will attest after seeing it withstand one inch of rainfall.

It could be faulted on bud count (usually 6) but its difficult to get a high bud count with such large blooms and heavy substance. Even with its low bud count, it has a long blooming season. This is because of the way it blooms—two blooms open at a time which last for 3 or 4 days, then another two open, after the first two have completely folded. Blooms are well spaced, never interfering with each other.

Hybridizers will be glad to know it produces plenty of pollen and makes large seed pods containing large beautiful seeds. I feel it is destined to be a great parent. It's a late bloomer and usually the last one in bloom in my garden. Despite the massive blooms, it never needs to be staked. Here are the vital statistics:

Parentage: IDAHO GOLD X PRETTY CAROL. TB. 33".\$25.00

PREVIOUS INTRODUCTION

SAPPHIRE FUZZ (Niswonger '67) LADY BLUEBEARD X MARRIOTT). Midseason TB. 32". B1L. Fertile both ways (sometimes skimpy on pollen) HC 1967.

Out of several hundred seedlings involving 9 crosses of the best known blue bearded irises, this was the best blue bearded seedling. It is a clear light blue self (no haft markings), with slightly ruffled, semiflared falls and domed, overlapping standards. The vivid blue beard makes it distinctive. The substance is heavy with blooms lasting 3 and 4 days. It takes the wind and rain well and doesn't need to be staked.

This iris won the Charles H. Lewis Memorial Award from the Greater Kansas City Iris Society for the most popular seedling in the Region 18 Test Garden in 1966.\$15.00

NO CATALOG :- ORDER FROM THIS AD :- GIVE DESIRED SHIPPING DATE

CAPE IRIS GARDENS

Dave Niswonger, Hybridizer

822 Rodney Vista Blvd.

Cape Girardeau, Missouri 63701

Some valuable tips for handling Japanese irises have turned up. Skipper Thaxter of Nehalem, Ore., who formerly worked for Walter Marx, says, "I would suggest fertilizing all Japanese irises *only* after the bloom season is over, and only once a year. I should think mulching would be in order in severe climates where it freezes and thaws especially."

Edith Cleaves has a method that is much talked about. "Have had some in soil and they just don't do their best and are deteriorating. But those in water are *good*. In galvanized 20 to 22 gallon tubs I put an acid soil to about 4" from the top of the tub. Plant Japanese irises in this loose soil. Fill tub to within 1" of the top. Just before bloom time and during hot days, keep water to within 1" of top of tub. They drink and use water quickly and, of course, some evaporates rapidly on warm days. Tubs are kept under trees, with morning sun. I fertilize with manure and in fall use Atlas Fish Emulsion solution.

"Another method is to grow them in crocks, using 5 gallon size or larger. Inside I place a clay pot upside down and on this I put the potted Japanese iris plant. I keep the water level up to just below the rim of the flower pot. Sometimes they require water every second or third day. These are kept in morning sun, afternoons in filtered shade. Or the pots can be placed in the big tub; it will take five, possibly six pots; water should be kept up to the rim."

From Stamford, Conn., Eleanor Westmeyer, President of the Society for Japanese Irises, notes, "As for getting bloom quickly, I still believe in late fall or spring planting. I don't think I've ever gotten bloom the following season from August-planted Japanese irises. I think these plants put all their strength into root development and we have to wait two years to see their bloom. Planted later, the buds are already developed."

Lily Mello, of Sandy, Ore., has some hints for those who have been bothered with non-blooming Japanese irises with lush foliage growth. "Fertilize heavily but only after bloom season, or just as bloom fades. Then restrain yourself from fertilizing in spring or fall for one year. I counted 40 fans on one of my plants, but no blooms. Next year, after proper fertilization at the proper time, I had 28 bloom stalks."

Is Hybridizing For Amateurs?

A number of robins are discussing, with much fervor, remarks made by a prominent commercial iris breeder who spoke at a Region meeting. Apparently the remarks were interpreted to mean that iris hybridizing should be left to the professionals who understood it. What, says one robin member, about all the marvelous irises that have been produced by amateurs? And how does a professional plant breeder start? Does it take a degree in plant breeding to produce good irises? Those queries practically answer themselves. The AIS was founded by amateurs; the very foundations of the stock used today were developed by them. Does a special plant society really ever flourish when new developments are left only to commercial interests?

Heavens, no. Probably the most active and interested irisarians today are those who participate in the hybridizing robins, which are by far in the majority. Two whole robin divisions are devoted to them, and countless backyard growers indulge in the iris breeding hobby to one extent or another. If you have yearned to create something new and different, but think only the professionals, or those with very full gardens of the most

recent, most expensive varieties, have a chance of producing exciting new varieties, just listen in on some of the robin conversation:

"For my red program I've used ORELIO, CALDRON, TECHNICOLOR, and RANGER," says Teresa Martin of Medina, Ohio. "I didn't keep any from RANGER; they were all so dull. Also for red breeding I used HAPPY BIRTHDAY, MARY RANDALL, ORANGE CRUSH, TOMECO, CHINESE CORAL, JUNGLE FIRES, ESTHER FAY and COURT BALLET. A few new ones I planted to use include DONNYBROOK, MAIN EVENT, RAMPAGE, BLACK ROSE, PRETTY CAROL, MARILYN C, PASSWORD, FIRENZE, FIREBIRD, and MY DARLING.

"For greens I've used CHARMAIZE, QUEEN'S LACE, CURL'D CLOUD, GREEN PASTURES, GREEN CHANCE, PRETTY QUADROON, TRANQUILITY, IRISH LINEN, ARGUS PHEASANT, JADE QUEEN, HAPPY BIRTHDAY, AL BORAK, GOLDEN ALPS, and intend to use APRIL SHOWERS, BUTTERSCOTCH KISS, BLACK SWAN, EMERALD FOUNTAIN, IMARET, PIETY, SKYFLAME, BLUE MILLER, GALILEE, NORTHBROOK."

Telling what specific crosses yielded that seemed to be worth further exploration, Teresa writes, HAPPY BIRTHDAY X MARY RANDALL gave all coral pinks, fairly good substance, one very good substance, tall stems which go down in wind. NORAH X HAPPY BIRTHDAY, some fairly nice pinks, all border size. TECHNICOLOR X HEART'S DESIRE, one short red, fairly good color and very clean. HAPPY BIRTHDAY X QUEEN'S LACE, mostly horrible; saved a lacy lemon and two pink sibs; both pinks had much smaller flowers, good substance on very tall stalks. HAPPY BIRTHDAY X CALDRON, mostly small flowers, a great many muddy yellows, one nice border sized lemon which died. There were two bright red blends with orange beards. These were later used in some of my reds, the originals discarded.

"I hadn't thought much of ORELIO X CALDRON, various shades of red, several with good substance and color, but narrow. Looking through my records I find it in the background of several promising lines. MARY RANDALL X COURT BALLET gave a number of interesting things, very varied, some good, some absolute dogs. The pale, delicate pinks and lilacs also had very delicate substance and went out immediately. Seedlings from this cross used in hybridizing are a large bright bengal rose, redder than MARY RANDALL, substance too soft and seedling has been tossed out; some interesting bronze seedlings from it. A pale orchid, large and flared, was good but discarded. One seedling has replaced MARY RANDALL in my breeding, color, form, carriage almost identical to MARY RANDALL, substance and branching superior. From this same pod came a peach with a network of light purple veins over the falls, form and substance good. I don't as a rule like apricot with purple but find this one attractive.

"BANG X TOMECO, just ordinary things except one very nice which had no increase and died. Did manage to save pollen and it produced a lime that may have something good in future use, but is short, and another was the most ruffled red I've seen, and am waiting to see the siblings. ORANGE CRUSH seems to throw good seedlings, stalks and substance better than either parent in some cases. ONE DESIRE doesn't add anything in the way of substance but it cleans up the color.

"GREEN PASTURES used with anything has given me nothing but terrible dogs. GREEN CHANCE can give good seedlings, not very often. One seedling with a large bloom, clean yellow with a decided green cast, quite deep, has

been registered as AMY VERONICA. It has extremely good substance and ruffled form; the ends of the falls flip up. It lasted three days without a hint of fading or wilting in 90 degrees of heat. CHARMAIZE X QUEEN'S LACE, one of my first crosses for green, gave a couple of greenish buff seedlings with ruffled form, stiff substance, stems much too tall for flower size. One seedling crossed with CURL'D CLOUD produced some fairly good ones; a broad greenish cream with chartreuse veining and violet blaze in the fall, cream standards lightly flushed violet; a light olive green and buff blend, large rounded form giving a sort of oncobred look; one broad clean cream, very short.

"FROM RED TANGO X ESTHER FAY I saved a copper-rose blend numbered 33-64 which is proving to be a very useful parent. 33-64 X ORANGE CRUSH produced a brilliant red blend with tangerine beard, large and tall, with good branching for a first-year plant. It seems to be an excellent pod parent, taking with all pollen used.

"MAIN EVENT X FLAMING HEART gave only two seedlings, both very low, probably due to weather, down in foliage. One is a very large broad blend with rough haft, the other a huge deep tawny gold, semi-flaring, and nice."

Since the full potentiality of any two of the countless thousands of tall bearded irises now in commerce would be virtually impossible to explore, even the rankest amateur might find some important breakthrough to new color or character in his seedling patch. Half the battle is in recognizing it, and you can develop your eye for the judgment of improvements by hybridizing and growing your own seedlings. If you've never hybridized before, perhaps the General Hybridizing robins are for you. If you have a little experience, or some knowledge of plant breeding, the Advanced Hybridizing rounds may well prove of great value in getting you enthused.

Bee Warburton discusses substance. "I think stiffness is one of the inherent faults in lines with tremendous substance and ruffling and lace. I have an intermediate seedling that looks like an artificial flower; actually, it looks as though it would break off sooner than ruffle a petal in the wind. It is the absolute antithesis of something like LILLI-HOOG, which is so yielding that the wind takes its skirts right up over its head, and yet they go back down where they belong, with perfect composure. I like a flower to look as though it's alive."

If you like to delve into development of the oddities, hear this from Bea Long in Orange, Calif. "I made a cross on a double purple iris, 6 standards and 6 falls and got a doubled pod. So far 6 seedlings have come up." We'll be anxious to hear whether they were also doubled.

Far beyond the goal of developing new and smaller kinds of bearded irises, hybridizers in the median field also look toward the day when some of the heavenly colors and color patterns found in the little hybrids will break their way into the tall bearded flowers. Just read the descriptions of some of the things that are found in median seedling patches and let your imagination take it from there!

From Molly Price, "My thrill of a lifetime opened its first flower; a pure, ice-white onco-med with black signals—a narrow ink-line below each beard, —horizontal falls and closed standards. Irene Van de Water got a lovely SDB from LITTLE IMP, with green petals and a bright blue beard. I

1968 INTRODUCTIONS

SIERRA SPRING (Leo Clark, '68) Tall bearded. 34-36". Early to midseason. Kerr 57-6 X GAY PAREE. When we first saw this beauty, we knew Mr. Clark had a real winner. S. are creamy white; ruffled and closed. Wide, ruffled flaring falls same with bright clean lemon-yellow hafts and a wide edging of lemon around falls. Superb, wide candelabra branching and many buds. Flowers are very weather resistant; plant is vigorous and healthy. An outstanding iris of shocking brilliance for the early garden. Guested for 1968 bloom at the Corlew, Moldovan, Terrell and Ghio gardens\$25.00

SUDDEN BEAUTY (Leo Clark, '68). 3/4 Arilbred. 28-30". Early to midseason. Kerr 55-9-A X Wilkes' 21-Salah. This, we believe, is one of the finest 3/4 arilbreds in existence today. It seems to have everything. S. are pure white with some fine purple veining toward the edges which fades to pure white in a few days; very wide, well-formed falls of soft yellow with styles to match. Huge brown velvety signal. Beard is wide (oncolike) and light yellow curled tips. The midribs are unbreakable and the substance is excellent—flowers last for a week or more in the most violent wind and rain. Quality is written all over this huge and thoroughly delightful flower. Stalks are strong and wiry and are produced in abundance. Vigorous and rapid of increase; grows easily with C. G. White care. Much admired by judges and visitors alike. Pod fertile with half-breds, but has not been tried with regeliocyclus or others. A good stock allows the low introductory price of\$20.00

Free price list of other Leo Clark 3/4 arilbred varieties available on request.

SIERRA VIEW GARDENS

643 CRISTER AVE.

CHICO, CALIF. 95926

SIERRA VISTA IRIS GARDEN — 1968 Introductions

PICTURE PERFECT (Mark E. Rogers). M to ML, 33". SEPTEMBER SONG X CELESTIAL GLORY. The most gorgeous peach colored iris that you have ever seen! Heavily substanced flowers are nicely ruffled and falls are semi-flaring. Smoothness and great beauty make this a "picture perfect." 63-L-8-B. Net, \$25.00

SARACEN WARRIOR (Mark E. Rogers). E, 33". TAWNY EMPRESS X (Tate sdlg: BEISAN AGA X JOPPA PARROT). Outstanding dark arilbred. The large, showy flowers are violet to almost black, veined and dotted; falls recurve. Very vigorous and weather resistant. Superb! 64-20. Net, \$20.00.

GOLDEN SPECTATOR (Mrs. Susan Haney). E-M, 38". Sib. to GRAND SPECTATOR. Tall, showy, well-branched plicata. Standards are golden yellow; ruffled falls are white bordered ginger brown; yellow beard. Heavy bloomer. 62-2A. Net, \$15.00.

Mark & Jeanette Rogers

31933 Yucaipa Blvd., Yucaipa, Calif. 92399

Catalog on request — no color

whooped with joy when I saw it on a rainy day in her garden. At the NEMIS show, Bee Warburton's 69-I-1, with *smooth* green falls and a bright blue beard, and white standards flushed slightly blue; and Jack Goett's 1 F 7, a yellow-ground plicata with falls narrowly edged in precise brown stitching, and a wider border of blue-gray on the standards, made my eyes bug out."

From The Hybridizers' Bags of Tricks

Eleanor Westmeyer remarks, "Those of you who are doing some breeding might be interested in my 'bag of tricks.' This year I began to use gelatin capsules extensively for storing pollen. They can even be frozen; the pollen can be used another season. I label them with 1/4" wide masking tape.

"I mark my crosses by twisting colored wire around the flower. Each cross on a given plant is indicated with a different colored wire. The wires are obtained from scraps of the telephone company's party-line cable wire. The outside wrapping is stripped off and there may be as many as 10 different colored wires inside. The wires are fine and light."

Sarah Wing Highley says, "I don't freeze pollen. Sometimes the quality of the pollen, especially that which is caked on the anther, can be improved by putting it in a desicator in a very warm, even hot, place. I also cap mine for reasons of security, but the caps are not put on tightly unless the pollen is being stored outside of the desicator. I carried one vial around in my pocket for a week last spring and the person I gave it to got a nice take from it."

Victor Scholz tells how he handles pollen, "I freeze pollen, picked when it is slightly fluffy, placed in a small glass vial and left uncapped in a warm place for two days, then capped and placed in the freezer. I make several vials of the same pollen as once I open a vial I throw away what I don't use. Experience has shown that the viability decreases with repeated freeze and thaw. Each batch of pollen is tested prior to use by the simple method of placing a tiny amount of the pollen on a glass slide, then placed in a jar with cotton that has been saturated with water. This gives a saturated atmosphere so the slide does not dry out. The slide is examined in 2 or 3 hours under a low-powered microscope (100X is plenty) and if the pollen is viable one will see the capsules cracking open and the gonosperm elongating. By this method one is also able to give a rough estimate of the percentage of viability of the pollen and possible seed set. It is my feeling that even though the pollen may be one, two or five percent viable that when you are dealing with millions of pollen grains this still leaves plenty for a good seed set, providing the plant is female fertile. A microscope can be purchased for a very few dollars at a toy store and does well."

PERFORMANCE REPORTS

One of the great values in robins is the candid comments about the irises and the experiences members have in growing them.

Ethel Bankus in Wisconsin reports, "At Blodgett's garden in Waukesha, JAVA DOVE was as lovely as it was at Marge Hagberg's in Illinois. APOLLO'S GIFT is a gorgeous yellow that really stands up and draws your eye. Its sibling 63-33A was a close second. LACED HEIRESS was really lacy and a good breeder, according to reports. FRENCH LACE caught my eyes with its greenish bud."

Rose Shiner in Pennsylvania, "Now here comes my yearly rave over

FLUTED HAVEN. It was outstanding and of all the new things we have it's still our #1 favorite. Tops was the Dykes winner WINTER OLYMPICS, but heard from a number of iris friends that it isn't hardy and after losing it we won't bother to replace it. Of course Don Waters' MUSIC MAKER was our favorite light sky blue self. Love the ruffling and lovely broad petals. ONE DESIRE was our best pink, better color than PINK LURE. I sort of liked for the second best pink FAIRY FABLE; it's not new but it does have better pink color and form than some overrated new ones. ROSE HERMOSA is a divine light pink and attracted many visitors. DOGE OF VENICE was a joy to behold. BRISTOL GEM, rightfully named, is surely a gem for any garden. PRINCE INDIGO is a beautifully formed rich violet. Of all the yellows GLAMOROUS and SUNSITE would delight the lovers of that color. And include ULTRAPOISE; it bloomed nicely for a long time. I'd like our RAINBOW GOLD to perform as I've seen it in other gardens. CITY OF PORTERVILLE has huge violet-blue, fine-formed blooms, but not many per stalk. JERSEY BEAUTY attracted much attention.

Charlotte Hankins in Delaware, "This year WHIRLAWAY was outstanding here in our garden, a flaring yellow. Every visitor admired it. ENTERPRISE was nice, too; it is yellow with fluted form like FLUTED COPPER."

Bea Williams in Colliers, W. Va., reports on some which were especially good in her area. "AMETHYST FLAME was larger and darker than ever before. GARDEN PARTY was the largest and best pink. Others outstanding were POET'S DREAM, UNCLE TELL, CURL'D CLOUD, CORABAND, LADY RUFFLES, PURPLE HAVEN, BROADWAY STAR, HIGH BARBARREE and CAPTAIN GALLANT."

Alta Brown comments on the most interesting medians seen last season. "Outstanding among the more recently introduced SDBs were GRACE NOTE, clear bright yellow with its startling blue beard. This was the first one to bloom this year. BLUE MOSS, medium blue standards and blended blue and green-green falls, nice shape and very exotic looking. RED HEART, lavender-blue standards with solid deep red falls with even border of lavender-blue like the standards. IRISH LILT, white standards and wide, round, real green falls which everyone says is the greenest yet. One doesn't have to wonder if they are green, chartreuse or yellow—just plain green. LENNA M. and PINK CUSHION both had one flower open and everyone was happy for the opportunity to see and compare them. LENNA M. with a nice buff spot on the falls and PINK CUSHION, a clearer pink, both on the salmon pink side. Room for lots of improvement here, both for substance and shape and color. BLACK CONTRAST was very nice with its broad rounded falls and smooth velvety finish in bright royal blue-purple and small white beard. Was a bit disappointed not to see it darker in color with a "black" name, but it is really nice. RUSSET DOT was very bright and showy with brilliant yellow color and a large velvety spot in brown, nice wide falls, too. ORANGE CAPER was a beautiful clear orange-yellow with heavy orange beard, a real 'WOW' color. SPRECKLED SPRITE, CIRCLETTE and PLICUTIE were all nice and all different from each other. SUDDEN MUSIC, a beautifully shaped wine red, very smooth and velvety with nice rounded flaring falls."

Bob Schreiner comments on one of his new ones, "FRISKY is the most brilliant, bar none, of the variegatas. It has the brilliance of phosphorescent

paint or neon lights. Extra bright and crisp. I would not offer an iris in this color pattern unless it had a lot more go than others of like coloring."

Jim Patterson in Winchester, Ind., had some interesting comments. "Went to Moldovan's and Don Waters' gardens, and also to Cook's. One border iris I noticed was NURSERY RHYME, a small RIPPLING WATERS. The noteworthy tall I saw were ROYAL GOLD, a big flower, the gold is so brilliant. Melba should get a Dykes Medal for this. I also think that GOLDEN PLUNDER is a very nice yellow. Emma Cook has two new irises for 1968, QUIET NIGHT, a gorgeous new black and of interest to border iris fans, MISS TEENAGE, a lovely pink border iris which really holds up well. DREAM-TIME (Schreiner) a medium lacy violet; ORCHID TAPESTRY (Rudolph) a light frilly orchid; PINK TAFFETA (Rudolph) a lacy pink; CAMELOT ROSE (Tompkins) a better WINE AND ROSES; ROYAL TOUCH (Schreiner) deep violet; JOLIE (Schreiner) a huge violet plicata; TIJUANA BRASS (Schreiner) a better BRASS ACCENTS; SAFFRON ROBE (Moldovan) deep yellow; SPANISH GIFT (Shoop) ruffled orange; CHARMAINE (Hamblen) a deeper MAY MELODY; GYPSY SENORITA (Noyd) yellow standards, burnt orange falls; FAVORITE TOPIC (Brown) light violet amoena; GOLDEN PLUNDER (Fay) a huge yellow; DEBBY R (Kuntz) a nice white plic; NINEVEH (Keppel) a very nice plum; LEDA KNIGHT (Hinkle) ruffled black; U. S. S. CONCORD (Blocker) real rosy blue; LAURIE (Gaulter) medium violet, nice; MAHALO (Ghio) the best of the MELODRAMA type; SPACEMASTER (Cook) a nice yellow-blue."

Sarah Wing Highley of Reynoldsville, Ohio, discussed the much talked about JAVA DOVE, and then takes us visiting in two important hybridizing gardens. "JAVA DOVE has color and not much else for it. The form is not as bad as some claim. Very severely tailored, semi-flaring falls, nice standards, the proportion of the flower is good, but nothing but the color is lavish. It is not a big voluptuous beauty; in fact the style of the whole flower is more like an MTB. Much too big of course, but a similar feeling of what might be called austerity. The high price and hard-to-grow aspects are the usual complaints I've heard. I would like to see it crossed with RIPPLING WATERS or a MELODRAMA offspring. I know I would be very interested in seeing those.

"Steve Moldovan's garden is on the east side of Cleveland and Mary Louise Dunderman's is right in Akron. The two gardens are a study in contrasts, but both of interest to the dedicated hybridizer. Steve Moldovan's almost needs no introduction, I am sure. We have all seen some of his irises and many have seen his lovely formal garden. The layout is delightful, a designer's dream garden, the plants immaculate, the owner interesting. The most noticed irises are the owner's favorite pink and orange TBs. Some of the varieties seen were PIETY, CELESTIAL SUNLIGHT, SKYWATCH, Moldovan 66-19A, pale orange, white beard tipped orange, veiny, substance poor, very lovely branching; PACIFIC PANORAMA, Moldovan 61-42, a white with grass green buds, cupped standards, flaring falls, poor substance, close branching but the buds turn out, nice fragrance. Perhaps I should say that the substance of almost everything at Steve's was either poor or only average and I think the trouble was the drought which they were having; there had been no rain for about a month when I was there. COURT BALLET, Moldovan 60-13B, a short navy blue flower with TB sized flower, a light beard,

NEVA SEXTON'S IRIS GARDEN

1709 Third Street
Wasco, California

NEW MOON (Sexton '68)

(MOON RIVER x NEW FRONTIER). M. 36'. Sdlg. 131-62. A large, very smoothly finished flower of rich lemon-yellow with self colored beard. Beautiful form with extra broad heavy substance petals, closed standards and flaring falls. Well-branched stalks with nine to twelve blooms per stalk. HC '66\$25.00

GOLDEN SENSATION (Sexton '67)

(MOON RIVER x RAINBOW GOLD). M. 34''. Wide petaled and ruffled deep yellow self with heavy substance. Standards are closed and falls are semiflaring. Well-branched stalks with many blooms. This is my yellow seedling that did so well in the Presby Gardens in 1966. Sdlg. 60-56. Received 18 HC votes in 1966\$20.00

MOONLIGHT AND ROSES (Sexton '67)

(NEW FRONTIER) x (MARY RANDALL x TECHNY CHIMES) M. 36''. Very large, broad petaled, ruffled yellow. There is a coral flush at the base of the standards. A luscious beard of glowing coral gives the flowers an added brilliance not found in yellow irises. Closed standards and semi-flaring falls. Well-branched stalks with many blooms\$20.00

HEAVEN'S OWN (Sexton '66).

(SKY CRYSTAL x BLUE THROAT) x (REHOBETH x No. 7). M. 36''. Very blue sky blue self. Dark blue beard and throat. The blooms are lightly ruffled, large and semiflaring. Substance and branching are good\$10.00

BEAUTY SECRET (Sexton '66).

(TOP FLIGHT x TECHMY CHIMES) x pink sdlg. E. 36''. Bright apricot self with large flowers of heavy substance. Closed standards with flaring falls; wide petals. Well-branched.\$15.00

HIDDEN MAGIC (Sexton '66).

(SMALL TALK x EMMA COOK). E. 36'. The orchid standards are domed and lightly ruffled. Falls wide, ruffled and flaring, of a rich purple. Good substance and well-branched. HC '65\$15.00

FIRST SNOW (Sexton '66).

(VIOLET HARMONY x SWAN BALLETT) x (CELESTIAL SNOW). M. 36''. Beautiful white self with wide heavily ruffled and fluted flowers of heavy substance. Well-branched stalksNet \$20.00

COUNTY DOWN (Sexton '65).

(CTEAM CTEST x MOON RIVER). ML. 36'' A rich cream self. Large flowers of heavy substance. HM '66\$10.00

ARTIST'S DREAM (Sexton '65).

(LAKE ISABELLA x HAPPY DEB) x ROCOCO. M. 36''. White standards bordered orchid-violet. Throat, haft and style arms darker violet. Falls are white. Wide white beard.....\$10.00

Order directly from this list. Rhizomes will be true to name and disease free.
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NEUBERT'S FLOWER GARDENS

INTRODUCING FOR 1968

FANTASY LAND (H. W. Neubert). 36''. L. (BROADWAY STAR x PRAIRIE JEWEL) A gorgeous new amoena with very light orchid standards, and flaring falls of doge purple, with bright chestnut brown hafts and orange beard. A narrow border of orchid surrounds edges of the falls. The well-tailored flowers are lightly ruffled and borne profusely on well-branched stalks.

No. 236-64.

Net 25.00

HUMDINGER (H. W. Neubert) . 34''. M. (Cook sdlg. x WAYWARD WIND) Large beautifully formed flowers with standards of antique bronze infused olive, and broad flaring falls of plum purple with violet infusion, and a deeper violet blaze below the bronze beard. Lightly ruffled and long-lasting flowers. Strong stalks and good branching.

No. 55-65A.

Net 25.00

OH GEE (H. W. Neubert). 34''. VE. (LAVISH LADY x RIPPLING WATERS) The beautifully ruffled flowers are of medium size and done in soft pastel shades. The closed standards are light orchid, and the flaring falls are campanula violet at edges, gradually paling to near white at hafts and center of flower. Yellow beard tipped white. Nicely branched.

16-65B.

Net 25.00

TUSSAH SILK (H. W. Neubert). 34''. M. (BANG x SPELLBOUND) x GRACIE PFOST. The large lightly ruffled flowers are of a smooth, silky sheen and extra heavy substance. The closed standards are garnet brown, and the wide flaring falls are golden brown, deepening to garnet brown at the edges. Smooth clean hafts and a bronze beard. A brown that takes the hot weather without burning or fading.

No. 98-64A.

Net 25.00

Send for catalogue.

NEUBERT'S FLOWER GARDENS

H. W. Neubert

Route 6.

Knoxville, Tenn. 37914

medium branching, semiflaring falls and a lovely fragrance. HENRY SHAW gave the impression of being both a poor bloomer and what bloom there was was floppy. Waters MMM2, a light blue, some fluting, beard yellow tipped orange, medium branching. MISSION SUNSET, orange, yellow area on falls, awful smell, close branching, orange beard, cupped standards, very nice. Moldovan 65-11, pale orchid, orange beard, horizontal falls, veiny hafts, fragrance typical of all dark pinks—ick! Marsh 61-5, really orange, red beard, vigorous. Moldovan 66-22, lovely little BB, faint lavender in heart of flower, white beard, close branching, rich, almost earthy fragrance. Moldovan 66-7, nice white, green buds, cupped standards, yellow hafts, yellow beard. JAVA DOVE, cream and apricot, nice branching. Moldovan 66-1, lavender-white standards, pink-lavender falls, lovely branching, orange beard, very nice. Moldovan 63-47, white and lavender-pink amoena.

“Mary Louise Dunderman lives with her mother and brother in the old family home. The atmosphere is that of relaxed country living. There are many projects evident, those which date from the time Mary and her brother were children, to the gorgeous chickens and beautiful Persian black cats Mary raised. There are a few strays around which Mary is trying to find homes for and they get the same care as the show cats. Mary’s mother is truly a lovely person, and you can see where the rest of the family gets its pep. Mary has a large number of miniature tall bearded, and the real reason any border bearded fancier should visit her is to see her seedlings. She had a lovely pink and white plicata of *I. mellita* ancestry that she has for breeding. I have tried to talk her into introducing some of these things that are truly lovely that are not MTBs, but she breeds for those and unlike some who introduce anything that they grow, she will not consider anything but her main objective. I can say some of her discards are superior to anything that I have yet bred.

The next day I spent in the library at Kingwood. I was rereading some of the old work on the Siberian subsection when the material was first introduced into cultivation. I find that when these plants were first introduced into cultivation they were not regarded as being especially difficult to grow. They were first cultivated in England. It is true that most of our troubles with Siberians are due to drying out in transit and transplanting at the wrong time of year. The climate of Great Britain does not vary as much as ours, and the plant that cannot reach its destination within 3 days after being dug is either going to the Scottish outer Island or is being handled by a totally incompetent dealer. It is also true that there is not a tendency to handle Siberians as ‘iris’ but as ‘herbaceous perennials’ and this leads to proper precautions against desiccation.”

Garden Irises

Peg Edwards has some interesting ideas on rearranging her garden. “I’m going to make the borders into beds with nothing but monocots, needle evergreens and members of the heath family. I was very surprised when I did some research on this, to find how many of these groups I can grow here (on Long Island, N. Y.). Have a lot of seedlings coming on to go in there, cuttings from various heaths and heathers and needle greens, and will set some rhododendron and azalea cuttings to root in when sprouts are right. It will take a couple of years to finish the job (if a garden is *ever* finished), but I think it is going to be a very pretty and *different* garden.” And a

wonderful background setting for irises! Peg also has some success in growing the California native irises. Says she, "I think every bloom set seed. They were really spectacular, altogether about 20 plants, and from three to twenty stems per plant, with up to five buds per stem. The seed is of course mixed; I made no attempt to cross them, except to use some *innominata* pollen on some Siberians, and got one pod sure, and another looks as if it will develop."

Mrs. E. W. Leake of Chandler, Okla., remarked on landscape value "For landscape iris, I think yellow shows up better than any other color, and is very showy against green shrubbery and evergreens. I don't think red shows up well. Red is more for garden value, I think; for landscape use we have a much different view than for a garden."

Fun With Arrangements

Molly Pimperton of Ft. Benton, Montana, suggests, "Try using spuria iris fans in arrangements. They keep so well and can be trimmed to any size and shape to fit most any type of container. I have used them in daylily arrangements."

Lucile Smith of Monterey Park, Calif., has a whopping assignment. "My main interest in spurias came through the need to find plants which don't take too much special care and maintenance. As part of my teaching duties I have what we call the School Beautiful responsibility. This means that I arrange flowers for all the offices, about 15 of them, per week, plus arrangements for special programs: banquets, etc. With activities for 3,000 students and 137 teachers this turns out to be no small job, especially when there are no funds allocated and our agriculture department is not able to contribute very many flowers. So I have to be my own grower and in the past 10 years have managed to develop quite a schedule. The spurias work very well in the arrangements because they'll last for a week, even in the stuffy offices. So I'm interested especially in long-lasting varieties for cutting.

"A big project was to arrange the flowers for a retirement banquet for our principal, who had 41 years in the Los Angeles school system. There were 650 guests. I made 46 arrangements. The shop man made dowel standards 2 feet high so the flowers were above the guests' heads. The dowels were so slender they were hardly noticeable and the arrangements seemed to be floating in air."

Celeste Hamner of Perris, Calif., remarks, "I like to use spuria blossoms in flower arrangements and have found them to be especially beautiful in large bouquets for church decorating, parties, etc."

FLASH. Plans are under way for a meeting of Robin members at the California meeting. See details at the convention.



SEE YOU IN
CALIFORNIA

Golden Gate in '68

IN MEMORIAM

HERMAN THORUP

Mr. Herman Thorup of Salt Lake City, a member of The American Iris Society since 1926, was a pioneer on the Utah iris scene. A Charter Member of The Utah Iris Society, he served as Vice President in the early years. His extensive plantings in 1922 inspired friends to join him in this new hobby, and his hybridizing efforts from 1923 produced such lovelies as WASATCH, DESERET, PEARLY MORN, IDEALWA, and a spuria, FAIRY LIGHT, and many others.

Herman Thorup has touched each of us in some way—whether through acquaintance with him and his gardens or through the enthusiasm from people who were inspired by him. He was an iris “great” in Utah.

CHARLES P. GORDON

Charles P. Gordon, RVP of Region 20, passed away February 8. He had surgery on January 4, and appeared to be doing well, but early in February took a turn for the worse.

Many will remember “Chuck” as the RVP in charge at the convention last year at Denver. This term was his second as RVP, he having held the same post in 1959-1961. He was a popular Regional officer, and did a superlative job through two national conventions at Denver. Many who did not know him did know him through his introductions, especially ABOVE ALL, which was his pride and joy.

Chuck was a retired advertising executive, and was a major in the Air Corp in World War II. His wife, one daughter and two grandchildren survive him.

MRS. HARRY FREY

News has reached us of the death of Mrs. Harry Frey of Duarte, California. Mrs. Frey was the organizer of the Belton, Texas, Iris Club, and carried her interests in iris and iris hybridizing with her to her California home. Many knew her for her lovely BELTON BEAUTY.

SERLENA REYNOLDS

Just as we go to press, we have learned of the death of Serlena Reynolds. She was 78 years of age.

Her garden has been described as a “piece of floral poetry.”

Hundreds of growers of irises have in their gardens her beautiful FLUTED HAVEN, an iris which won trophies for her both in Italy and Austria, and which is the most recent winner of the CLARA B. REES CUP.

MAPLE TREE GARDENS

Larry L. Harder, Ponca, Nebraska 68770

INTRODUCING for Grace Guenther

CREOLE BABY. SDB. 14½". A new brown SDB iris to grace your garden. Bright brown closed standards and flared falls of garnet brown with a yellow ray pattern. \$5.00

PRECIOUS ONE. SDB. 14½" to 15". A light shell pink self, not marred by any yellow glow, with a pink self-tipped tangerine beard. Ruffled and very flared. A great new beauty. None other like it. \$15.00

GOLDEN MANTILLA. IB. 19". Aureolin yellow self; very flared falls with self colored beard. Lacing on standards and falls sets this one apart. \$15.00

Free catalog on request.

INTRODUCTIONS FOR 1968

STANDARD DWARF

FUCHSIA GEM. Sdlg. #M131-15. RED ROCKETTE X ((DAYBREAK X *pumila*) X MERRYMAKER X CARPATHIA)). Standards are garnet lake. Falls, ruby red. Colorful, nicely formed flower. Fine plant proportion. 11". \$5.00

SUN SYMBOL. Sdlg. #M58-1. (GOLDEN FAIR X unknown). Medium yellow; tobacco-brown hafts. Closed standards; round horizontal falls. Very different. 11". \$5.00

BORDER BEARDED

RAIN POOL. Sdlg. #B40-2. (BOTONY BAY X sib). Light blue self; intense fragrance. Slender, gracefully curving stems, excellent proportion. Outstanding. 27". \$10.00

STAR BEAM. Sdlg. #B20-3. ((KISS ME KATE X (POLAR CAP X PROGENITOR)) X ((POLAR CAP X PROGENITOR) X WHOLE CLOTH)). White standards; full blue falls, beautiful form. Usually three flowers open at once. Very fine proportion. 27". \$10.00

TALL BEARDED

CLOUD CREST. Sdlg. #748-1. (PINK ENCHANTMENT X PARTY DRESS) X ((SPINDRIFT X JEB STUART) X COURTIER)) X CRYSTAL FLAME. Ruffled white standards, infused blue-orchid; wide, laced pure white falls. Bright red beard; heavy substance. Beautiful flower; exciting parent. HC 1966. \$25.00

Order from this ad, or send for more descriptive list of these and previous introductions. My introductions only.

BENNETT C. JONES

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Portland, Oregon 97221

GEORGE A. SHOOP, HYBRIDIZER

2009 N.E. Liberty

Portland, Oregon 97211

DREAM SPINNER (Shoop '68). EM. 36". A full ruffled flower with bright canary yellow standards and white falls with 1/4" yellow rim. A pink-tangerine beard to complete a beautiful flower. Good stalk, branching and plant. 63-18-2. HC '67. GAY WHISPER X 59-6-1\$25.00

KISS 'N TELL (Shoop '68). EM. 36". I have bloomed white tangerine bearded seedlings since 1954. This is the first white I have introduced. A broad pure white flaring iris with ruffles and lacing. A tangerine beard. Stalk and branching excellent. Fine plant. 63-18-3. GAY WHISPER X 59-6-1\$25.00

VIVA (Shoop '68). EM. 36". This is a deep orange toned iris with white falls and the rim pattern. A thick orange-red beard helps to enhance the large, broad, flaring iris. The plant, stalk and branching are excellent. 64-26. 60-11 X OL'E\$25.00

ALL THREE IRISES ABOVE\$60.00

BEHOLD, GYPSY RINGS, MAY DANCER\$20.00 each

“IS THAT OUR BUS?”

RACHAEL CHAPPELL

The time was getting pretty close to 8:00 a.m. on the first full day of tour. Convention guests who had stayed at one of the “other” places and those who had breakfasted at the quick counter across the street were drifting into the hotel lobby to join the early risers.

The hotel coffee shop was full. The two waitresses still looked a little harassed after their near collapse when the early mob descended on them as they leisurely drank coffee and deferred putting on their “Yes, Sir!” headbands.

No matter how patiently the convention chairman explains to the hotel management that our group bombs out of there early and doesn’t return until 5:00 p.m., the word never sifts down to the coffee shop. That’s why, when the early birds crowd in, the waitresses think a gang of mountain climbers or a party of bird watchers have lost their way. With a few hisses toward the kitchen for recruits, they soon recovered their balance, but they kept a wary eye on us when they learned we were the AMERICAN IRIS SOCIETY CONVENTION.

They wondered if there could be something slightly you-know-what about this bunch of people. After all, who ever heard of a recessive plic or a neglecta, to say nothing of a probable genotype? Exactly what are they going to DO to these unsuspecting irises? All that gear looks as if it might include a mule harness.

Besides, WHERE are these foxy irises lurking? In a swamp? If not, what’s with the boots and galoshes?

We were a group of “instant” information to anyone with a raised eyebrow, but we fear it came too fast and from so many directions that our waitresses were more confused than ever.

The lobby was now full. Then came the question, “WHERE DO THEY LOAD?” Nobody knew. A group was holding ground near the side entrance. We gravitated that way because we recognized some of the old timers and they MUST know. (Note: An old timer is one who has been to an AIS convention twice or more.)

We saw a local gentleman whom we had met last evening at the buffet. Somehow he wasn’t quite so chipper that morning. Some may have wondered why, but if you had ever been host to this 400 plus, you knew; and had a stab of compassion as you thought, “He’s head of the tour committee and his troubles have just begun.”

We milled around and got to talking “iris” so intensively that, by golly, nobody seemed to care if we got to the patch or not. The tour director had disappeared anyway. Somebody looked out and the threatening sky had ceased to merely threaten. It was RAINING! BUCKETS!

We thought we might as well break out the rain boots we had bought at the last moment. They hadn’t yet been out of their neat container and we were dismayed to find they were for HEELED shoes instead of FLATS. No matter. We would wear them even though they would look a little slatternly from the rear.

The tour director had come back, and from his crestfallen look he seemed to take personal blame for the rain. We thought, “Forget it, Buster,

and WAIT TILL THE SUN SHINES!”

“Busses load at the parking lot,” Mr. Tour Director said.

Where was that? Oh. We trooped up the stairs at the rear of the lobby and, sure enough, there was the parking lot. Busses were purring! GREY-HOUNDS were “rarin’ to go!” We were ready, too, unless we had forgotten our book of tickets. We checked. We had forgotten. Somebody said, “Oh, well, they’ll trust you till later. You’re wearing a name tag. You forked over the dough, didn’t you?”

Everyone got aboard—if not on the first bus, then the second, the third, the fourth, et cetera.

We were on our way. The sun was doing its level best to penetrate the blanket of clouds. Our only worries for the next three days would be the sound of that shrill whistle and some words we would hear a lot, “IS THAT OUR BUS?”

For a Rock Garden Featuring Iris Pumila

BEE WARBURTON

The species *Iris pumila* has been grown and bred in this country almost entirely as a hybridizer’s plant, and it has been a spectacular success; just about singlehandedly it has not just revolutionized, but to some extent even created classes of the small bearded irises. In the meantime it has steadily improved in quality, and has been unduly neglected as a fine plant in its own right, particularly for rock gardens.

Forms of the species *Iris pumila* (which is not the same thing as the larger dwarf iris group sometimes even now listed as “pumila dwarfs”), require the same conditions as many of the most effective rock garden plants, and its colorings are never harsh; they blend well with anything but fire-engine red, which is somewhat of a rarity in early spring except for the brilliantly colored species tulips and their new named hybrid forms. Nobody should miss growing the charming species tulips and narcissi, particularly, but since they are in a way rivals of the small irises, and the empty space over the precious small bulbs is tempting at iris-planting time, it is better to reserve separate sections for them if both are to be grown. Irises in the bulbous section may be represented by the reticulata irises, of which the best is *histrioides major*, a brilliant blue. *Iris danfordiae* is a charming yellow which may need replacement every few years; the so-called reticulata “type” is a fast increaser, but may be a bit coarse. JOYCE and HARMONY are among the best forms. These small bulb types are usually gone by the time *Iris pumila* blooms. It is good to have a place for all these very early flowers near a door or window where they can signal the coming of spring, no matter what the weather.

A rock garden takes upkeep. Mine was my first love, but it is long gone in a tangle and the little pumilas have been smothered out. I have since grown them in raised beds and in field rows. They grow better, I believe, in the beds. If they are growing well they may need frequent transplanting, although they cope fairly well with the problem of too many old rhizomes by letting them dry up (empty shells are not signs of disease). They are

shallow-rooted, and do better in a good vegetable soil; they can use the routine fertilizing given the plant breeder's field rows.

The raised bed is a good substitute for a rock garden in places where rocks are scarce, though it is hard for a New Englander to imagine such gardening. If rocks are really scarce, the bed could be raised by edging it with bricks or even cement blocks. I once saw one in Texas edged in with the mellow creamy plant pods of the south. Ollie Kummer has beds edged with the porous limestone of his area, with tiny succulents growing in them; down in Oklahoma is an iris garden with edgings of the red desert rose rocks carved into petal-like shapes by wind and sand, and exactly matching the red soil. Up in Maine is a rock garden made with huge chunks of transparent rose quartz. In New England many a "rock" garden is a quickie of slope dotted with glaciated cobbles, and these are sometimes painted white for edgings.

If it is to be a genuine rock garden, the first rule is to get a book and do it right. The second is NEVER to accept plants from friends, or if you must accept them, don't plant them in your new rock garden, at least until you've given them a thorough trial elsewhere. It is a real temptation to get the empty spaces covered with plants fast, but the plants which do this will smother out everything choice you put there later. Watch the plants closely in your friend's garden and you will see why he has such a surplus for friends!

The sedums are some of the worst offenders, and it is safest to avoid them entirely until you have had a chance to study their forms. *Sedum acre* is the worst offender; I once saw a lawn at a great estate which was completely infiltrated by this invasive pest. *Ajuga*, the Carpet Bugle, is much too rampant for the rock garden; so is *Cerastium tomentosum*, "Snow-in-Summer." *Lysimachia*, known as Moneywort, is a dreadful nuisance; *Alyssum saxatile*, the Baskets-of-Gold, are not so much invasive as revolting in color combination with the magenta *Phlox subulata*; all colors of phlox need careful trimming back from the irises, though otherwise they are excellent companions. *Arabis albida* is too rampant, as are some of the achilleas and artemisias, both of which have silver foliage needed for contrast. The mounted artemisias are delightful with the irises. Most of the violas seed too freely, as do the forget-me-nots; but both of these are indispensable to many gardeners; in general both prefer wetter conditions than are best for the irises. Some of the favored carpeting plants are also too difficult to keep in bounds—for instance, *Thymus serpyllum* and *Mazus reptans*.

What you choose to plant will depend upon whether you are merely planting a few specimens of *Iris pumila* among your rock garden plants, or making a special setting for *Iris pumila*. In the first case, it is only important to make sure that no invasive plants smother the little iris rhizomes. The second case requires careful thought and planning. The plants chosen must grow well in sun and be fairly drouth resistant. A very dwarf evergreen, especially one with dark green foliage, is a good starter. The junipers grow best under *I. pumila* conditions and the ground huggers such as 'Bar Harbor' are lovely, but tend to spread rather more than wanted. The colors of *Phlox subulata* are good with the pumilas; even the most shocking pink is becoming to the purples and violets; for the blues, a white or pale pink

is better. *Iberis sempervirens* is a better white; there are many good rock garden whites, including *Arenaria montana*, and the white form of *Campanula carpatica*—the blue form is too rampant. There are good small campanulas—*garganica*, tiny *muralis*, and *portenschlagiana*. For other blues, the globularias are dainty with charming fluffy heads. *Veronica rupestris* has flowers in blue or white, sometimes even in pink; there are many good prostrate veronicas, but watch their habit.

There are many lovely pinks for the rock garden. *Armeria*, the Thrift, makes amusing cushions; and the Maiden Pink, *Dianthus deltoides*, is a well-loved plant although it tends to seed itself freely. *Arabis* makes good pinks, though it must be watched; the aethionemas are better with shrubby growth resembling the *Iberis* but in a clear pink. The aubrietias come in a large color range and make fine mats of color. For foliage contrast, the sempervivums are various and amusing to the small fry, but watch their size—the larger ones are too coarse to accompany *Iris pumila*. If you are very careful, a few of the restrained sedums can be trusted, and the saxifrages are always good if you can grow them.

Each of the *pumila* clumps must be given a space at least six-inches in diameter, with nothing allowed to encroach. Since they increase fast, if they grow well as they should, one little plant will give a clump the following year. Probably the most important trait in a cultivar of *I. pumila* is that it grows and persists, and most of the selections which have been named were chosen for this. They have also, of course, been selected for color, and for the form of the individual flowers. While this latter is more important in using them for plant breeding than in growing them for mass color effect, it is still of importance to the gardener who delights in intimate contact with his plants. For this reason it is better to start with named varieties by color; they may be grown from seed, if it is available, but once you have the plants you can grow more from your own seed, for further color and pattern variants. Some of the available varieties by color:

White: WHITE MITE, SKY DOT (blue patch), WILLIE WINKY

Ivory: MY DADDY, HANSELMAYER, CREAMETTE

Light yellow: LEMON DOLL

Deep bright yellow: BARIUM GOLD, GOLD LOCKET

Variegata: CARPATHIA, BROWNETT, THREE COINS, APRIL VAR

Greenish yellow: GREENIE, CUTE CAPERS

Pale blue: APRIL MORN, ATOMIC BLUE, FLAXEN, BLUE SPOT (deeper patch)

Pale violet: LILABLANKA

Medium violet: BIMBO, SPRING JOY

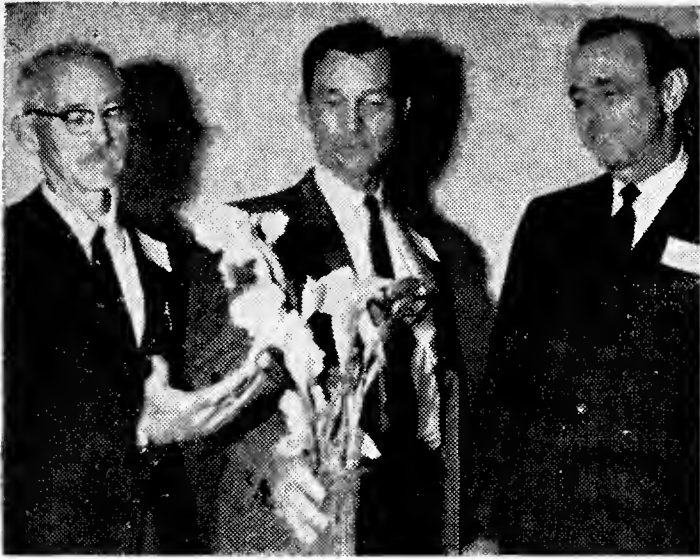
Deep violet: SULINA, LITTLE DARKIE

Rose purple: ROSY CARPET, CRETICA, ORCHID CHERUB, ORCHID SHEEN

Purple: RED AMETHYST, KIP, RICH ACRES, TARA (rusty)

Tiniest: BIMBO, TARA

Many of these little flowers are intensely fragrant. Their fragrance is not that of grape "Cool-Off", but is essentially that of the Orris root (violets?), with a fillip of lemon, or spice, or vanilla, or attar of roses. It is one of spring's delights to pluck a few of the little flowers and study the unique intricacies of the iris structure and color distribution while enjoying their delicious fragrance.



RVP. Allen Harper, AIS Secretary C. W. Benson, and RVP-elect Russell Morgan with a Rebloomer at the Region 18 meeting at Parsons, Kansas.



Rex Brown and JUNE SYMPHONY

SOIL IMPROVEMENT PROGRAM

LEON B. LOSEY

Years ago as a young man we kept chickens in Minneapolis. Green-cut bone was a must to make the birds lay. When we had a surplus from our hand grinder, we placed it around the roses, and how they did respond! While I was a teacher of agriculture in college, some of the students wanted to know about organic gardening and about bone meal. I wrote to all of the experiment stations in the United States to ask their opinions. The general reply was that "organic gardening was good, but that it was not the perfect answer claimed by its promoters." Humus, yes; and any material that will loosen the soil and promote the growth of bacteria is fine. Bone meal was of little value unless it is fresh bone.

When we started growing irises about twenty years ago, I remembered that and have never used bone meal on plants. We were in Walla Walla, Washington, then, where lots of alfalfa was grown, and we got spoiled alfalfa baled hay and composted it, and also green pea vines where peas had been threshed for canneries. This made wonderful compost and we grew very fine iris rhizomes.

When we moved to Southern California we had little to make into compost. Our soil was decomposed granite that had been washed down from the nearby mountains, and when dry was like granite. We hauled sawdust and mixed it with poultry manure to give it nitrogen, and we got rabbit manure and even rat manure (The man had 1,000 white rats) and made compost with this. Now our soil has humus and fertility.

We have divided our iris plot into three sections. I put vetch, which is a legume and takes nitrogen from the air and puts it into the soil, in one plot each year. I plant the vetch in November. When it is about eighteen inches high and very thick, I hire a man with a heavy rototiller, in April, and he chops the vetch fine and puts it down about six to eight inches.

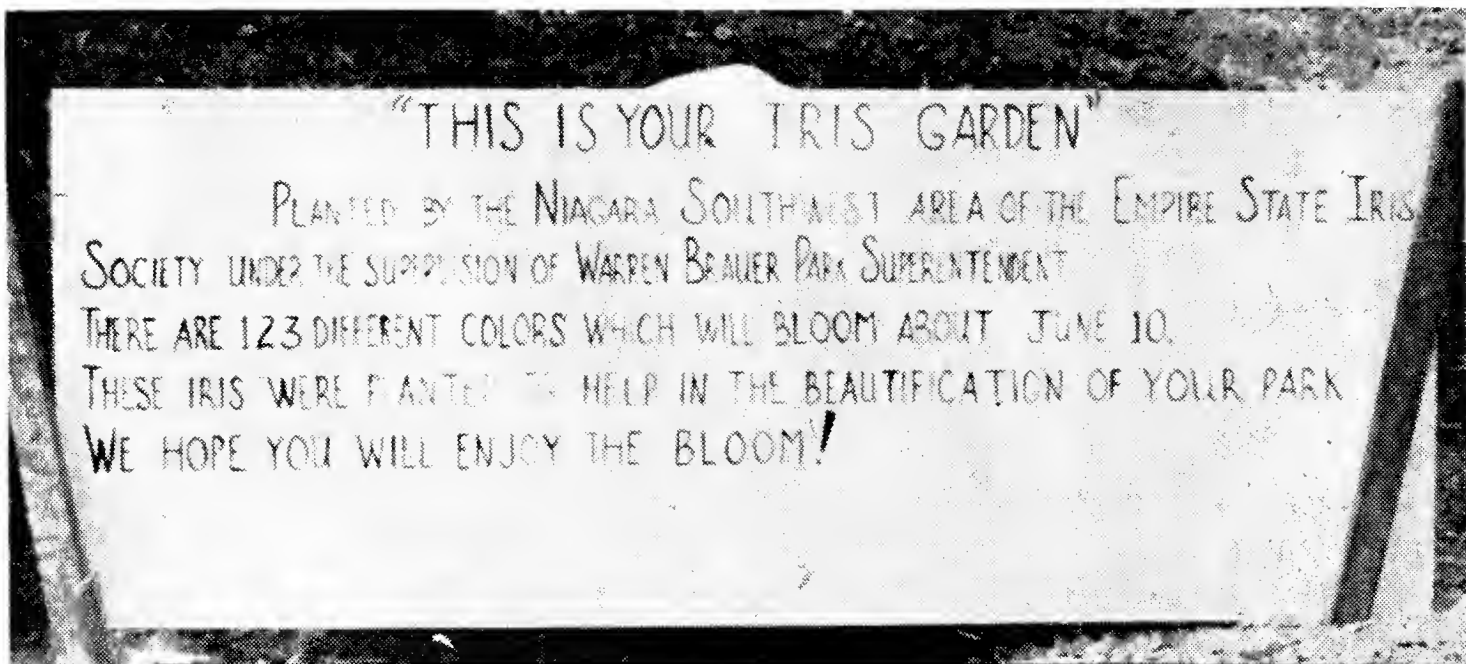
We plant the irises from June to October in loose soil, full of humus, and we grow nice sized rhizomes as well as we did in Walla Walla.

We have never bought any bone meal, but have bought superphosphate and put it into the compost. Our irises grow fine and we have very little rot because the soil is loose and water does not stand around the plants.

When I read the article about bone meal by R. Milton Carleton in Flower Grower of July '66, I said Amen; I have proved it out over the years.

Permanent plaque in native wood placed in new iris beds

Outwater Park, Lockport, New York. Iris planting project of Niagara Southwest Area of Empire State Iris Society.



In 1920 the AIS was born in the New York Botanical Gardens. Help us to celebrate the 50th anniversary of the founding. Come to New York City in 1970 where headquarters will be the Statler Hotel, opposite the Madison Square Garden.

Nineteen seventy is the date
The Golden Year in New York State.
Mary P. Engel

From the Editor's Desk

This page customarily is the last to be fitted into the issue. Despite the fact that we have gone to 128 pages, we still have some 24 pages of material which is interesting enough to be set into type, and which will have to be carried over to the July issue. This is a far cry from the first three issues of last year, when we could not get material in. Putting together 128 pages gets to be a real time and logistic problem.

Dr. J. G. Bald of the University of California has achieved a breakthrough in discovering the bacterium which causes scorch. He has promised

to prepare an article for the Bulletin about his findings. Dr. Bald now feels that their knowledge of iris scorch is firmly based.

From the Fort Worth Iris Society Reporter, a quote from Gordon Plough: "We used to have nematodes in the garden soil, but seem to have them whipped. For the past several seasons we have added a small amount of Aldrin Granular Number 10 to the fertilizer mixture we put in the bottom of each hole when planting. This cleans out all the wire worms, cut worms, and the like. And it must get the nematodes too because we never see any signs of their presence anywhere. We use the granular form of Aldrin so it won't be dusty. The directions would almost scare a person from using it, but as I say, we've used it for years with no ill effects from handling it day after day."

From the tone of the letters coming from Australia, Ira and Betty Woods are having a superb time visiting the iris growers of that continent, and helping to judge shows and giving programs for iris goupes.

Proofreading always is a precarious task, especially to one who is schooled to read a page at a sweeping glance. I am confounded by the fact that no matter how often one proofreads, all he has to do is to open a Bulletin and an error leaps out at him. In this case it was the dropping of three lines on page 59 of the January 1968 Bulletin, in the biography of William F. Hirsch. After the word society comes these lines activities, since he has been very active in the Philadelphia Section of the American Society of Mechanical Engineers, serving this past year as its chairman.

Another error which crept in inadvertently was Mrs. Hubert Fischer as President. Marie firmly declines the honor, and Hubert says that he expects that he will have to fill out the term.

Note that the Popularity Poll ballot was included in the January Bulletin.

Since the results of the official ballot will be on the pages of the July Bulletin, it will help us if you will send your ballot as early as it is consistent with good judging. We thus will be able to check with hybridizers questionable items, such as seedling number. We do want results to be as accurate as possible, and we need cooperation to give us the time to check and yet get the results in the July Bulletin. That issue will be out a few days late in order to carry the official results.

Readers seem to like the January cover, and have been asking about the possibility of getting copies of this cover for covers for show schedules and yearbooks. We are printing extras of this cover and of the April issue, minus the wording, and those who are interested can purchase these covers from the St. Louis office for ten cents apiece.

Many of the California gardens will be open to visitors before, during and after the convention. Among the most interesting invitations we have received is an invitation to visit the Carl and Helene Miller garden at 1563 Mistletoe Lane, Redding, Calif. What startled us is that they have some 50,000 seedlings. What a lot of weeding. They have nothing for sale as yet, but think that they have some seedlings which the judges will like to see.

One of the best articles we have seen on irises in the deep South is that of Ila Nunn in the June 1966 publication of the Gulf Coast Botanical Society. It approaches the problem both with realism and imagination, and is well worth the attention of those who grow irises in the Gulf area.

Once in a while one comes across an item which fascinates one about the ingenuity of youth. Hooker Nichols, age 14, has developed a method of growing seedlings the same year the seed sets. He picks the pod when he thinks the pod is ready to pick, shells the seeds into a 35mm can, adds a drop of water, and lets them set and mold for about two weeks. He then places the seeds in a freezer for a day and then plants them. On December 1 he had over 200 seedlings up and thriving. His theory is that the mold eats off part of the shell. Those who know him say that his knowledge of crosses is tremendous. Here is a young man to whom our leading hybridizers ought to give a helping hand. His address is Box 702, Woodward, Oklahoma 73801. He is the nephew of the late Theda Clark, and she taught him to love flowers, and irises in particular.

SOME NOTES FROM THE SCIENTIFIC COMMITTEE

The fine work at Colorado State University that many of you saw at the 1967 national meeting will be halted at least temporarily. Dr. Carl Jorgensen has left for a two year assignment in South America.

The B. Y. Morrison project at Mississippi State University, to which we are one of the financial contributors, is proceeding on schedule. The work on mulching needs to be continued two more years before many firm conclusions are drawn. In any case, we must keep in mind that these results may only apply to environmental conditions similar to those at M. S. U.

With these reservations, it seems that mulching does help first year plantings at the risk of some increase in plant disease. Pine straw has been the most effective mulch here. Perlite may turn out to be next best where pine straw is unavailable.

Other parts of the study, not yet showing results, will probably be of broader interest to members. These include:

- optimum air drying of rhizomes
- N-P-K fertilizer schedules
- herbicide selection
- pH studies

The investigators are Professor C. O. Box and A. E. Einert. Mrs. Reuben (Charlotte) Sawyer is continuing her liaison with the project for the AIS.

At the University of Kentucky, Dr. Mohr is working on chemicals to give weed control in iris beds without plant damage. So far, best results have come from Enide (granular) at 5 to 7½ pounds of active ingredient per acre, Treflan (granular) at 1½ to 2½ lb. per acre, and Sesone (liquid) at 4 lb./acre. Acceptable control also came from Diphenamid, Dacthal, and Simazine. We advise considerable restraint in using any of these materials until their efficacy and the absence of long term damage have been tested quite thoroughly.

In the West, some of these products have been used most effectively one year and yet have been useless the next year. It is believed that tempera-

ture and humidity in the days following application have a lot to do with the results. This kind of failure represents only a waste of some time and money. Far worse is to get enthusiastic with the treatment one year and then apply twice as much the next time. Some, if not all of these chemicals, will definitely injure the irises if given to excess.

Dr. J. R. Durrance has provided a breakdown of scorch damage to the National Convention Guest Iris Beds at the Denver Botanic Gardens. Just over a quarter of the plantings were affected, and 18% completely destroyed. At the same time, we hear of increased problems with scorch in other areas. We are now trying to stimulate some productive work on this topic. In view of past limited progress on understanding scorch, we are not overly optimistic—all suggestions welcome.

H. M. PARKER, *Chairman*
Scientific Committee

JOIN THE SPECIES STUDY GROUP OF AIS

The need for an organization of persons interested in the simple irises of nature grew directly from the species robins, and the purpose is to coordinate the robins and extend their functions as educational means to provide some knowledge of all iris species, aids to their identification, clues to their cultivation, and means of exchange of experiences with other persons who are interested, as well as providing seeds from which to grow the plants.

The first step toward these ends was the organization, within the constitution and bylaws of the American Iris Society, of a "study group", which in turn has established the central seed exchange for all members. To obtain this year's listing of over 150 seedlots, send a stamped envelope to:

Mrs. John R. Hardy
296 Hunsaker Lane
Eugene, Oregon 97402

There is a nominal charge per packet, the proceeds going to support the study group's activities and publications, of which there are two sorts, a newsletter and a serialized "species study manual", intended to furnish all the pertinent information, both horticultural and botanical, on the many species of irises. This is of value to all who do not own nor have access to an extensive library on the subject, and should not only tell in detail how they grow in nature and should be treated in cultivation, but also how one and all differ from others of their kind, as an aid to identification of any you may find growing wild or may grow from seed.

It is not necessary to belong to any iris robin to participate in the activities of the species iris study group, but it is expected that all robin members will greatly benefit from so doing. Membership is through subscription to publications, and the rates are \$2 per year or \$5 for 3 years. Make checks payable to:

SPECIES IRIS STUDY GROUP

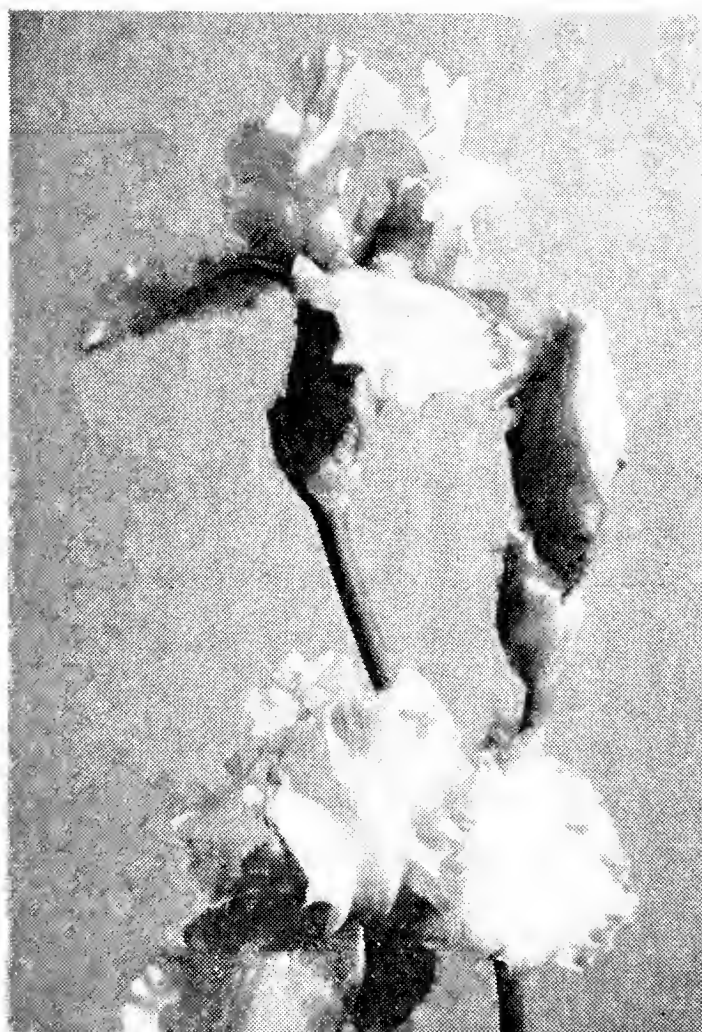
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BRIGHT AND BOLD. 576-63 X GYPSY LULLABY. TB. 36-38". Closed standards are a luscious butterscotch; falls a clear red with white blaze under the beard; hafts are butterscotch veined red. Flower flaring and ruffled, good form and substance; strong vigorous grower; striking color; fine hybridizing iris\$20.00

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PERRY L. PARRISH, RVP, REG. #22, 4908 NW GRAND BLVD.,
OKLAHOMA CITY, OKLA. 73112

ANNOUNCEMENTS

GUEST IRISES — 1970 CONVENTION

The 1970 convention, the Golden Jubilee of the American Iris Society, will be held, appropriately, where the Society was founded, in and around New York City. The Convention Committee naturally wants the display of guest irises to be worthy of this Fiftieth Birthday. To provide the finest display we ask that hybridizers follow the rules carefully.

Please send only recent introductions and seedlings that are being seriously considered for introduction. If stock permits please send two or more rhizomes so that they can be placed where they will be seen on more than one tour.

1. To insure the best possible growth and bloom, Sibiricae and Californicae should be sent in spring or fall of 1968—not in the summer; all others can be accepted only between June 15 and September 1, 1968. All should be mailed to:

Mrs. Phyllis Zezelic
219 McKinley St.
Massapequa Park, N. Y. 11762

—except where prior arrangements have been made with the Guest Iris Committee to send stock directly to a specific tour garden. All **correspondence** concerning guest irises is to be sent to:

Mrs. H. L. Edwards
235 Koehl St.
Massapequa Park, N. Y. 11762

2. The following data must accompany each rhizome:

Hybridizer's name and full address

Name or seedling number of the variety

Type of iris

Height, color and pattern

Bloom season (early, midseason or late with respect to the TB season)

Year of registration, and of introduction.

Awards won if any.

If plants sent under number are registered or introduced after sending, it is the hybridizer's responsibility to inform the Guest Iris Committee immediately; also in the case of awards won after sending the variety.

3. All packages must be sent prepaid. Consult your local agricultural agent about any shipping permits and inspections required.
4. All guest irises will be grown in tour gardens and displayed under the name of the hybridizer. All tour gardens are maintained by experienced growers of irises, and plants will receive the best care possible. It is understood that the growers and the committee will not be responsible for the loss of any rhizome due to causes beyond their control.
5. All guest irises will remain the property of the hybridizer and will be returned or disposed of as the sender directs. Failure of the sender to notify the Committee by July 15, 1970 will be considered as an order to destroy or dispose of the stock. All stock returned to the sender will be sent postpaid.

6. Due to expense and shipping regulations involved, stock cannot be returned to a foreign address; however, the hybridizer can appoint a grower in the U.S.A. to whom the stock is to be sent.
7. The Guest Iris Committee accepts no responsibility for plants not sent in accordance with these rules.

Phyllis Zezelic
Margaret Edwards
Guest Iris Committee.

DISPLAY ADVERTISING DIRECTORY

Avonbank	62	Mission Bell	23
Baker	56	Moldovan	48
Benson, Z. G.	84	Motsch	75
Brown, Mrs. F. A.	35	Mount Clare	83
Brown, R. & A.	69	Neubert	96
Buckles	81	Noyd	88
Cape Iris	88	Old Brook	52
Cassebeer	10	Olson	26
Cherry Lane	21	Palmer	80
Cook	7	Parrish	111
Crammer	111	Pickard	81
El Dorado	31	Riverdale	79
Gable	16-17	Roe	82
Gaskill	80	Schortman	13
Ghio	63	Sea-Born	76
Goodrick	75	Sexton	96
Guild	56	Shoop	100
Harder	100	Sierra View	92
Hyponex	98	Sierra Vista	92
Jones	100	Skyline	110
Markham	62	Smith	27
Mark-Tex	51	Tell	44-45
Marsh	84	Voris	82
Melrose	57	Wild	83

CONVENTION SCHEDULE

SUNDAY
APRIL 28th

9:00 am Open: Combined Registration and Information Desk

8:00 pm AIS Board Meeting Oakland Room

8:00 pm RVP Meeting Berkeley Room

8:00 pm Informal Slide Program Executive Room

MONDAY
APRIL 29th

7:30 am Open: Registration and Information Booths

8:00 am Directors and RVP Breakfast South Porch

10:30 am Japanese Iris Society Executive Room

10:30 am Start shuttle bus service to
U.C. Botanical Garden and garden
of Mr. & Mrs. Bob Brown, Kensington

1:00 pm Siberian Iris Society South Porch

3:00 pm Reblooming Iris Society South Porch

6:00 pm No Host Social Hour Gaslight Room

7:00 pm Welcome Dinner Churchill Room

9:00 pm Median Iris Society Horizon Room

TUESDAY
APRIL 30th

7:00 am Open: Information Booth

7:30 am Busses leave main entrance for Sacramento
Mr. and Mrs. Carl Quadros, Sacramento
Mr. and Mrs. Robert Dunn, North Highlands
Mr. and Mrs. Sergio Gottardo, North Highlands
Misses Lois and Mona Carnahan, Carmichael

CONVENTION SCHEDULE

Lunch at the Sacramento Inn

7:00 pm Spuria Iris Society Horizon Room

9:00 pm Aril Society International Horizon Room

WEDNESDAY 7:00 am Open: Information Booth

MAY 1st **7:30 am** Busses leave main entrance for Stockton
Melrose Garden
AIS Display Garden
Lunch at the Stockton Inn

4:00 pm Dwarf Iris Society South Porch

7:30 pm Judges Training followed by
Slide Program Empire Room

(Early return to Hotel for AIS Display Garden)

THURSDAY 7:00 am Open: Information Booth

MAY 2nd 7:30 am Busses leave main entrance for gardens of
Mr. and Mrs. Tom Foster
Mr. and Mrs. Glenn Corlew
Mr. and Mrs. Walt Luihn
Mr. and Mrs. Frank Hutchings
Mr. and Mrs. Larry Gaulter
Lunch at Willow Park Country Club, Cas-
tro Valley

7:00 pm No Host Social Hour Churchill Room

8:00 pm Banquet Churchill Room

HEADING WEST?

With the hot publicity the 1968 convention of the American Iris Society is getting, I'm quite sure every member is aware of Golden Gate in '68 and where it will be held. Since Berkeley is only a skip and a jump from Region 15, it is only natural that most of our members are eagerly awaiting the happy moment when they too can start north . . . a chance in a life time.

Knowing many AIS members will be attending, and perhaps visiting California for the first time, Region 15 has scheduled its spring meeting with the hopes that visiting members will include our activities in with their plans. Our meeting will be held in the Bakersfield-Wasco area on the 27th of April and will be a one day affair this year; to include garden tours, luncheon and an evening dinner. Driving north from here the time can be well spent in taking in the gardens of Jim Gibson, Bill Schortman, Babson and many more . . . all choice gardens and not one bit out of your way. Better yet, why not try to visit our region in its entirety and make the grand tour. We won't stick our necks out and promise you peak bloom, as we all know what weather conditions can do; but we do promise what ever bloom we have . . . good friendship and a lot of iris talk . . . you can't beat that!

Perhaps those coming from the East and Midwest might like to make sunny and beautiful Arizona their first stop. Our two areas there, Phoenix and Tucson, are both going great, and members will be more than happy to show you around. On to the greater Los Angeles area with its ever lovin' "smog" and tangles of never ending freeways, but here too you will find iris members ready and willing to show you around and glad to do so. Our hearts are BIG. Side trips can be made easily to the Riverside and San Diego areas, both waiting to welcome you with open arms. Now . . . isn't this worth a few extra days of travel?

This is your chance to make up a *package trip* and an opportunity just too good to pass by. Region 15 has made rapid strides during the last few years and we'd surely enjoy sharing this with out-of-Region members. Hope to see you this spring. For further information contact Region 15's RVP . . . Barbara Serdynski.

(Note: New address of RVP is: 3433 Laclede Ave.—Los Angeles, Cal. 90039)

IMPORTANT NOTICE: Members arriving by plane, especially from the East, can take the limousine to the Claremont from the Oakland airport. Those arriving in San Francisco should try to get the helicopter to Oakland and then take the limousine. If arrangements are made when purchasing tickets the helicopter either is free or at a reduced rate. If you have trouble call the Hotel Claremont, ask for the AIS desk, and we will try to help you.

NOTICE: If you wish to register early we will have the desk open from 9:00 a.m. Sunday.

See you in California. GOLDEN GATE IN '68

CONVENTION IRIS

It's not too late In '68—for Milwaukee

In the summer of 1967 the Guest Iris Committee for the 1969 convention, to be hosted by the Wisconsin Iris Society and the Milwaukee County Park Commission, was kept busy receiving and assigning great irises to the Central Planting at the Alfred L. Boerner Botanical Gardens of Whitnall Park and the Guest Gardens.

Irises have been received from 32 States and Australia. Dwarf, miniature tall bearded, intermediates, border, tall bearded, arilbreds, Japanese, Siberians, spurias are represented.

One of the features of the planting at the Botanical Gardens is a special display of the arilbred, border and tall bearded irises that have received Honorable Mention and Award of Merit recognition in 1966 and 1967. Nearly 100 varieties have been received and, to those hybridizers who have not sent in their winners, we urge you to do so for two reasons. First, we desire to present to all those attending the convention and to those who will have an interest in coming to see this display, as complete an assemblage of irises that have been chosen by AIS judges, as in their judgment, the finest in existence today. Second, being told of the ardent participation of the many hybridizers, you will not want to pass up this opportunity to have your award winning irises presented with this regal array.

The display is to include 1968 winners as well. Invitation is issued to all the Honorable Award and Award of Merit winners of this year. Request is made to send them at the earliest possible date.

Many hybridizers have signified their intentions of sending their latest varieties this year. Ample provisions have been made at the Boerner Botanical Gardens for every variety that will be sent.

An invitation is extended to all hybridizers, no one excluded, who may still desire to participate. Your irises will enjoy the exceptional care that is being given them at the Botanical Gardens.

If you have never exhibited before you may be heralded as the prodigy of the year—if a seasoned hybridizer and not an exhibitor—the forgotten man of the year.

Request a registration sheet or send your irises direct to, Mrs. Jack Kimber, Guest Iris Chairman, 400 E. Van Norman Ave., Milwaukee, Wisconsin 53207.

For the best possible results send rhizomes that will bloom and ship so planting date will be no later than August 15th.

Note: All irises shipped under seedling number will be given identification under their registered name if information is provided by January 15th, 1969.

Clarence Protzmann

OMITTED FROM ROSTER OF JUDGES

Mrs. Victor Quesnel, Farmington, Mo.

Mr., not Mrs., W. F. Brown, Wichita, Kansas, is the judge.

Mr., not Mrs. Fred Stephenson, Roanoke, Va., is the judge.

Mrs. Melvin Hart, judge from Missoula, Montana, was inadvertently listed under Idaho.

JUDGING SCHOOL

Judging school at Albuquerque, New Mexico, May 19, with W. T. Bledsoe as instructor. If you are interested, write Mrs. Bernard Lowenstein, 611 Aliso Road, SE. Albuquerque, New Mexico 87108.

B. I. S. YEAR BOOK

The 1967 Year Book of the British Iris Society is full of good things for the iris lover, with 160 pages of iris views and news, articles on species, plicata breeding, medians, oncocyclis growing, plant hunting in Oregon, English iris gardens, the wild irises of Russia, varietal comments and illustrations.

Copies have been sent to all BIS members; if you are not a member, why not join now? It will cost you only \$3.00 to secure this year book and the benefit of full membership for 1968, including periodical newsletters and the 1968 year book next December.

For your convenience subscriptions may be paid to AIS, who will advise BIS to mail the year book immediately. Send your check of \$3.00 NOW to: The American Iris Society, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

YOUTH COMMITTEE

Please: All AIS members eighteen years of age or under: Write Betty Rowe, 588 East End Avenue, Pittsburgh, Pa. 15221. Or any member who knows an active iris grower eighteen or under, please write Mrs. Rowe. Give name and address, including ZC. Mrs. Rowe has formulated plans for developing an active youth program.

INTRODUCERS — IMPORTANT

Be sure to get your catalogue or printed list showing introductions in 1968 to the registrar. Irises not recorded as introduced are not eligible for awards higher than HC. Irises advertised in the Bulletin automatically are recorded as introduced. Those advertised in July Bulletin will be included as 1968 introduction. Mail to J. Arthur Nelson, 3131 North 58th St., Omaha, Nebr. 68104.

ATTENTION: SHOW CHAIRMEN

This year mail show reports to:

Dr. Clarke Cosgrove
8260 Longdon Avenue
San Gabriel, Calif. 91775

Region 6 Meeting

Region 6 will hold its annual spring meeting in the Holiday Inn, in West Richfield, Ohio, May 31-June 2. Gardens on tour Sikora, Tremmel, Berrere, Willott, Rusk, and McClintock. Write Mrs. Joseph Kerekes, 5950 Richmond Road, Oakwood Village, Bedford, Ohio 44146 for information.

MEMBERS — PLEASE

When you move notify St. Louis office of your new address. We are getting many Bulletins back because of change of address, and second class mail normally is not forwarded.

IRIS SLIDES FOR RENTAL

The American Iris Society maintains numbers of excellent sets of iris slides for rental. Each set contains 100 slides, 35mm size. A list of the names of the irises accompanies each set. Ideal for a program for your iris meetings and garden club meetings, these slides are a fine way to study the new irises. Are you considering, or would you like to see, some new irises? What better way than to rent a set of slides and keep informed on the newer varieties.

For that additional program fill-out the following sets are offered:

- . . . Set of the newer tall bearded irises, including many of the recent award winners—top favorites—and selected garden scenes.*
- . . . Set of various bearded species and hybrids, other than tall bearded, including standard dwarf, intermediate, table, and border bearded types, and some very special slides of the arils in various types.*
- . . . Set of various bulbous irises including reticulatas and juno irises. Also many species and hybrids of the beardless family including: Crested, Louisiana, Western natives, Spurias (including some of the most recent spurias just out), Siberians, and Japanese.*
- . . . Set of the ever popular, less expensive, fine bearded irises that have stood the test of time and grace any garden with their beauty and excellence.*
- . . . Set of irises at the AIS convention in Newark 1966. For those who could not go to Denver here is a picturization on film of many, many of the very newest irises. See them in the comforts of your own meeting room. Yes, you'll see new irises, gardens, and intimate glimpses of some of the iris personalities who attended the Newark convention.*

Requests for slides should be made well in advance for proper scheduling, preferably 30 days or longer. Include a second date if possible. Give the exact date desired so that slides can be sent insured airmail. They are to be returned in the same manner. The rental fee is \$5.00, payable in advance, for each set of 100 slides. Make checks to the American Iris Society and mail with your receipts to:

*ROBERT SCHREINER, Chairman, Slides Committee,
3785 Quinaby Rd., NE (R. 2), Salem, Oregon 97303*

ATTENTION AFFILIATES

All affiliates are entitled to a free showing of AIS slides once a year. Be sure to give Mr. Schreiner thirty days' notice, and order the slides in the name of the affiliated club, giving the name of the president of the club.

All affiliates are entitled to one silver medal and one bronze medal, free of charge for their show. Order these at the time the report is sent to the Exhibition Chairman.

If there is a change in the name of the president of the club, be sure to notify Mr. Varner, Mr. Benson and the editor of the *Bulletin* at once, so that the proper name and address can appear in the *Bulletin*, and that the *Bulletin* can be mailed to the proper address.

AIS MEMBERSHIP RATES

Annual	\$ 5.00	Sustaining	10.00
Triennial	12.50	Research	25.00
Family	6.00	Life	100.00
Family Triennial.....	15.00	Family Life	125.00

SECTION DUES

	<i>Japanese</i>	<i>Median</i>	<i>Siberian</i>	<i>Spuria</i>
Single Annual	\$2.00	\$2.00	\$1.00	\$1.00
Single Triennial	5.00	5.00	3.00	2.50
Family Annual	2.50	2.50		1.50
Family Triennial	6.00	6.00		3.50
Annual Supporting	3.00	3.00		3.00

IMPORTANT: Section dues, if paid through AIS, MUST be for the same duration as your AIS dues. AIS FAMILY member desiring SINGLE Section membership, PLEASE indicate which person is applying for Section membership.

BULLETIN ADVERTISING RATES

COMMERCIAL DIRECTORY (listings in alphabetical order)

Rates per four issues—no discounts

Single space (one inch—not to exceed six lines	\$10.00
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2315 Tower Grove Blvd., St. Louis, Missouri 63110

Beginning with the October issue, Commercial Directory single space will be \$12.50 and double space \$20.00.

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APRIL, 1968

NUMBER 189

PRINTED IN 2 SECTIONS • SECTION 2

THE AMERICAN IRIS SOCIETY

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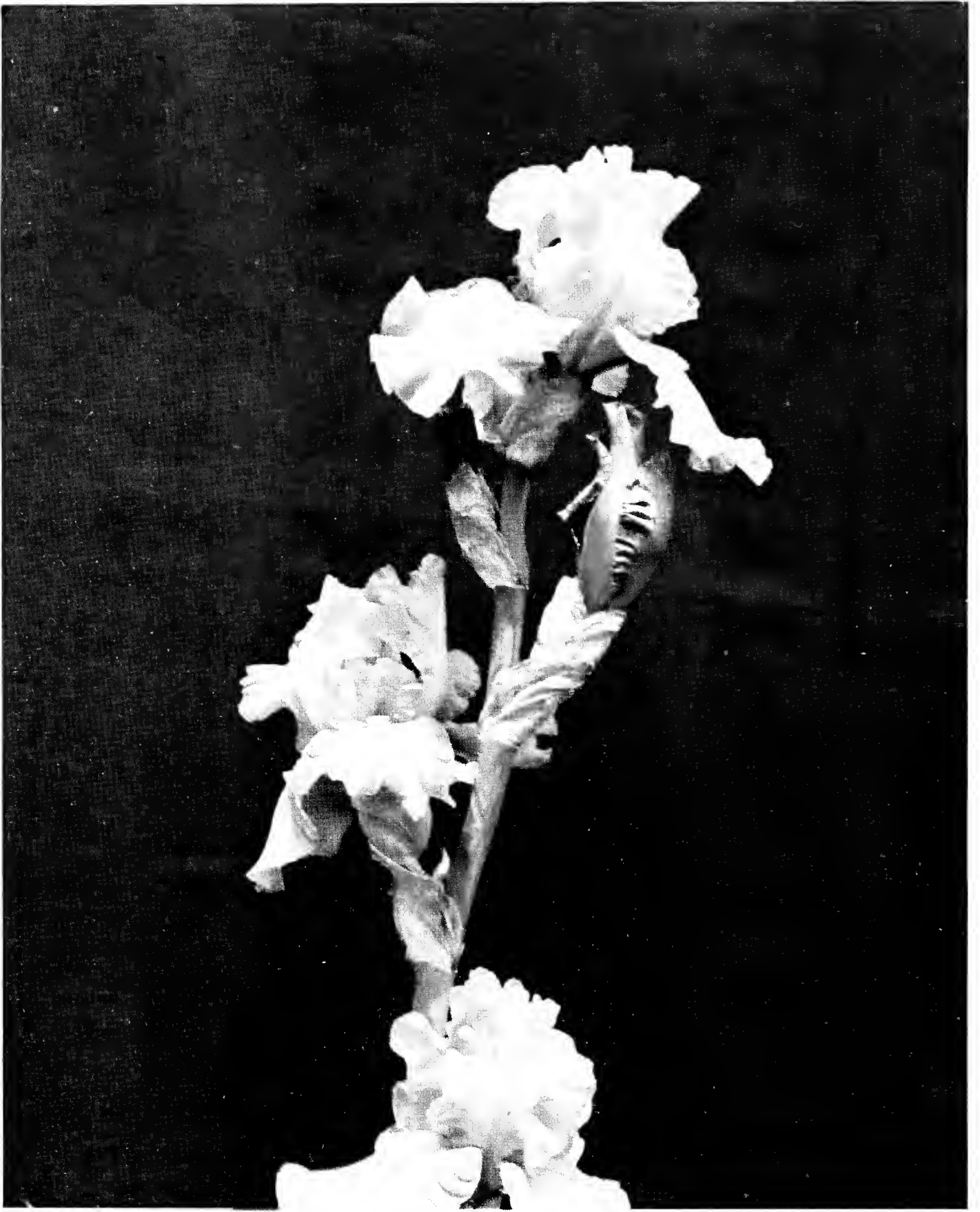
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BULLETIN OF THE

American Iris Society



SEASIDE
(Opal Brown 1967)
(Photo Courtesy Tom Brown)

THE BULLETIN of the AMERICAN IRIS SOCIETY

NO. 190

JULY, 1968

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The *Bulletin* is published quarterly by The American Iris Society. Publishing office 2315 Tower Grove Blvd., St. Louis, Mo. 63110. Second-class postage paid at St. Louis, Mo., and at additional mailing offices.

Communications regarding membership in the Society, advertising, and other items of business should be addressed to Mr. Clifford W. Benson, Executive Secretary, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

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All copy due in editor's office forty-five days before first of the month of publication.

The *Bulletin* is printed by The Livestock Press, Inc., 2830 "O" Street, Omaha, Nebraska 68107.

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The FRONT COVER is of Don Waters' garden, and features CLIFFS OF DOVER, LADY ROGERS and LAVANESQUE. The BACK COVER is a floral design by Irene S. Nelson entitled SPRING SPRITE and NINEVEH. The INSIDE FRONT COVER is Opan Brown's SEASIDE. The INSIDE BACK COVER is DEBBY RAIRDON (Kuntz), ROYAL TOUCH (Schreiners), ULTRA-POISE (Noyd) and SWAHILI (Plough).

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3. Societies having less than 50 percent of their members belonging to AIS and meeting the other conditions, will be required to pay an *annual* fee of \$25.00.

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NO CATALOGUE SO ORDER FROM THIS AD

From The President's Desk

The iris bloom at the Berkeley convention was at peak, the weather was perfect and the gardens were exciting. I wish to convey our thanks and appreciation to RVP Glenn Corlew, Convention Chairman Robert Brown, all of the committee members of Region 14, the members whose gardens were on tour and Dr. Baker of the University Botanic Garden.

The RVP-Directors breakfast meeting was well attended and several recommendations made were later voted by the Board. Details are elsewhere in the Bulletin. At the request of the RVPs, their title was changed back from Regional Chairman voted last fall.

The Board voted to accept a new President's Cup from Region 20, presented in honor of the late Charles Gordon. A Fred and Barbara Walther Award will be activated, the award going for the iris receiving the most votes on the Judges' Choice ballot. A committee will be appointed to review the awards system and make recommendations on all future awards requests.

The work on the 50th Anniversary Bulletin is progressing satisfactorily under the guidance of Jesse Wills as editor and J. Arthur Nelson as co-editor, and Thomas Jacoby and Helen McCaughey as committee members.

With the news that there may have been a breakthrough on the cause of scorch and the ever-present problem of botrytis, the Board voted to grant authority to the Scientific Committee to use \$2,000 for scorch and \$1,000 for botrytis research during the next two-year period.

The votes for the Franklin Cook Memorial Cup were widely scattered, with CUP RACE (Buttrick) and FLIGHT OF ANGELS (Terrell) tied for first place. There never before has been a similar situation, and the decision was made to have the cup in the possession of each winner for six months. The President's Cup was won by LAURIE (Gaulter). I also am happy to announce that the Board voted to award the Distinguished Service Medal to Dr. John Wister. This is a long overdue recognition for his many years of service to the Society.

Nominations for Directors to fill the terms expiring this year were Mr. Ira E. Wood (renominated), and Mr. Earl T. Browder, Mr. Thomas E. Jacoby and Mrs. C. E. McCaughey.

Under discussion were matters of finances, the rising costs of printing, and methods of economizing by merging some of the major functions. Further studies will be made to resolve some of the problems. An increase in membership will be of much help, and I hope that every member will make an effort to assist.

On returning from Berkeley, we found the lilacs in full bloom. For the past two years the buds were blighted by a late freeze, and it was a glorious sight to see the bushes covered with bloom. Some of these bushes are forty years of age and fifteen feet tall. It will be an early season here; some of the tall bearded irises already are showing color and the early hybrid peonies are blooming. It will be a fine iris year, first with such a grand preview in California and now again with our own garden.

HUBERT A. FISCHER

JUST—"GOLDEN GATE IN '68"

LARRY L. HARDER

Ponca, Nebraska



Glenn Corlew congratulates Larry Gaulter for President's Cup as President Fischer and Joe Ghio look on. (Photo by Long)

Just listen a bit to the take-off that Rowan and Martin use on their TV show and get in the mood so that you can see how aptly it can apply to what I am attempting to convey in this write-up on some of the iris varieties I saw at the national meeting this year.

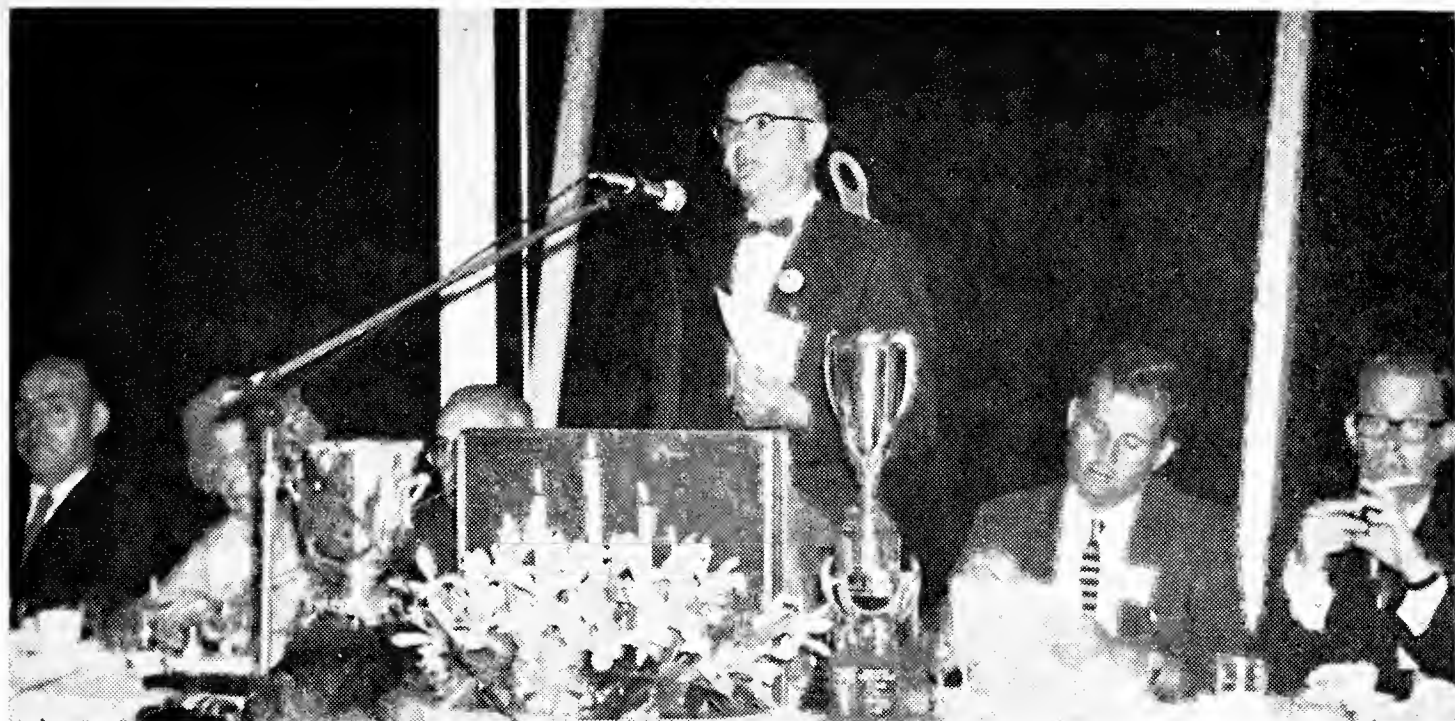
"Here comes the Judge! Here comes the Judge! Sock it to me, Baby!!" Can't you just hear the irises saying that very thing when they see me and my fellow judges of the American Iris Society entering the various gardens.

And sock it to them, we can!

I am one of the many who appreciate the many varied hues of colors that our hybridizers are presently giving us in our iris varieties. It seems the blood bank of new colors is never ceasing, as each year so many new ones appear.

Les Peterson put the right parents together and has come up with a bright new addition we all can add to our garden collection of iris varieties. *GALA MADRID* with its deep butterscotch standards, bright mulberry-wine falls and its ruffles is one of the brightest color combinations I saw. Lucky for us that it sometimes has two branches, plus spur, or otherwise we would need to say, "Where is the branching?"

The iris that is ranking at the head of my list of new blue irises is *Opal Brown's '67* introduction *SEASIDE*. The large flowers are well spaced on adequate branching and bloom in good sequence. The bloomstalk is not so tall, so should be especially welcome in those regions where the wind blows.



Robert Brown starts the banquet festivities. (Photo by Long)

The flowers are so very nicely ruffled; and the form is of top quality because of its closed standards that are nicely domed, and the semiflared falls.

Collie and Lillian Terrell have noticeably placed a fine iris on the market this year. Their **FLIGHT OF ANGELS** awakens or renews the interest in the white varieties. Noticeably impressed also were many who attended the meeting as it was one of the winners of the Franklin Cook Memorial Cup. This iris has a large flower well done up with very fluted standards and falls. There may be a few yellow tips in the self beard, but the overall impression of the flower is a white self. Those two branches on a one year plant told me that it does very well in that department and I noted its several buds per socket also, so we can expect a good blooming season from it.

The other iris that won equal billing as the co-winner of the Franklin Cook Cup is Stedman Buttrick's **CUP RACE**. A bright white self with equal branching puts on a fine display. I have liked this variety for a number of years and it has displayed a fine bloomstalk each year.

The beauty of the large flower that Neva Sexton has in her new bright golden yellow which she has named **NEW MOON** will be hard to surpass. It does not have tightly domed standards, but they are well held in place by a strong midrib. Falls are semiflared and both standards and falls are pleasingly ruffled. Convention plants were top branched; but in Neva's garden I saw three open on well-spaced branches, so we can expect great things from this new beauty. A self beard adds to the attractiveness of the flower. A good healthy grower, it exhibited several new fans in every planting I saw.

Another bright gold that attracted attention was Maynard Knopf's new **WEST COAST**. I noticed that it never faded one bit. When a flower folded, it was retaining the same bright color as the new ones had. This is something we have wanted for a long while—a yellow that can take the sun. Its three branches held the flowers in perfect positions. A bright orange beard added much to its attractiveness. The size of the flower was smaller than



Ben Hager chats with Mr. and Mrs. Stafford Jory at Melrose gardens.
(Photo by Long)

many other new ones, but this does not detract in any way from its beauty. This flower first attracted my attention when I viewed it in the guest bed at Guy Roger's planting in Wichita Falls, Texas, so it does well in other parts of the country as well as in its home state of California.

As typified in its name, WESTERN HOST was welcoming us pleasantly. This new creation of Sanford Babson is very beautifully flared. A deep smooth purple with a self beard highlighted with bits of old gold on some of the hairs. Its well-spaced branches exhibited the flowers well.

Sanford has others that interested me greatly. His TAMBOURINE is a different color combination. Buff-gold standards and falls that are a blend of several colors, predominately red-violet but with hints of old gold throughout, and exhibiting a blue blaze in the fall. Striking color combination. Increases very well as all plantings showed excellent plant growth. Occasionally the tip of the fall curled under, but I thought maybe the flower had not expanded to its fullness yet, so never counted this as a fault. This is one that many shall like as it is not a garish color combination. The colors blend well together.

Another Babson creation kept putting on an excellent showing in about every garden we visited. This was his APROPOS '64, a silky smooth pale blue with tints of darker blue color in it.

And I never have recovered from the beauty of AD ASTRA (Babson '67). This gorgeous creation in yellow and white is ever so striking. Nice and tall so can be used to lighten the back of the border.

PINK TAFFETA (Rudolph '68) didn't increase well in California on a one year plant, but this gorgeous light pink self has substance to spare. It was crisply displayed on a sturdy stalk with three-way branching and with good spacing. The deeper rose-pink beard added its sparkle to the beauty of the ruffled flower. Here is a new pink iris that I want. I guess I don't need a garden full of it because of the fact it may not be a fast increaser.

A new color combination as far as I am concerned was Maynard Knopf's



Robert Schreiner, Bennett Jones, Eugene Buckles and Dave Niswonger.
(Photo by Long)

LAUNCHING PAD. It has light yellow standards and white falls edged a brilliant yellow. This yellow was a shade different than the standard color. Add a bright red-orange beard to make a beautiful new flower coloration. Not as well-branched as I like, but the flower color was so different and so beautiful that I want it. Prolific in increase as some huge plantings were seen.

BOTANY BAY is one of Bennett Jones' new additions in the border bearded class of irises. This heavenly medium blue iris is one that shows proportion, small flower size, small stem and small foliage. A clump of it with seven bloomstalks was spectacular.

A very ruffled and flared white with a hint of blue to its color, a bright tangerine beard, and still a bit of yellow deep in the haft that I would like to see missing; lace type edging on the ruffles, small flower size, two branches, describes **CLOUD CREST** (B. Jones '68). This adds a new contender in this class of irises.

Another white with bright red beard that was so very outstanding was Vernon Wood's 66-40. This one has branching which all others of its type may envy.

I was impressed with the color of **FLAMINGO DAWN** (Peterson '67), even if the form or size of flower were not as nice as I like. The pink standards and orchid blue falls with a light tangerine beard were certainly a new color.

Two new irises, **LIGHT FANTASTIC** (O. Brown) and **PACIFICA** (J. Nelson '68), are of similar color, but both are outstanding irises. The substance in both flowers was unbelievable. I admired them for days. Pale blues with the standards a shade deeper than the falls were the basic color of the flowers. **LIGHT FANTASTIC** turns more white as it ages.

ROYAL HERITAGE (Luihn) is a large purple that perfectionists say is marred with some lines at the haft. I admired its overall appearance and shall be happy when I acquire it for my planting. Two flowers open at all times on the plant, so it keeps a bright spot in the garden and tells us of plenty of buds on the bloom stalk.

Someone new on the hybridizing scene had a very flared black from the red or purple side that I admired. English 62-82 was on the tag. Tall for a black iris and with four branches makes it one that I am interested in seeing again.

Two white irises with yellow beards and shoulder epaulets caught my eye. Being very pastel, those who appreciate the delicate colors will certainly love them. DANCING SUNBEAM (D. Palmer '68) was one. A huge clump was covered with bloom and there were a great many stalks. The other was MARSHMALLOW (M. Olson '67).

One of the spectacular displays we saw was the row of LAURIE (Gaulter '67), planted along the fence in its home garden. This lovely rose-pink could not have been displayed more appropriately. It is no wonder it won for its hybridizer the President's Cup.

PUNCHLINE (Plough '68) was a bright new blend. Many colors combine to make a very distinctive new flower. Predominately a deep rose with brown tones; falls edged brown with an inside rim of a hazy blue.

Siberian irises caught our fancy at this convention as well as many other types. Ben Hager has given us two new red or rose-violet colored Siberians as he has introduced SPARKLING ROSE and RUBY WINE this year. Steve Varner's ILLINI ENCORE was in bloom in a white and yellow combination. BETH ELLEN (Gertie Knocke '65) is a ruffled petaled blue with heavy markings on the haft. Many English varieties were in bloom so we could see what they looked like.

Bob Brown's seedling 67-67 was one of the outstanding varieties on display this year. Falls were very flared, and the entire flower has beautiful ruffling. Color—a light red-purple with a bright red beard tipped white. Branching was superb. Four branches and spur. Bottom branch had a spur also. So you can see there were going to be plenty of flowers.

Different in color was Carlson's FLAME AND SAND. A dusky rose-tan with red beard. Flower form was not exceptional and had open standards. Here again was a new or different color that just could not be bypassed.

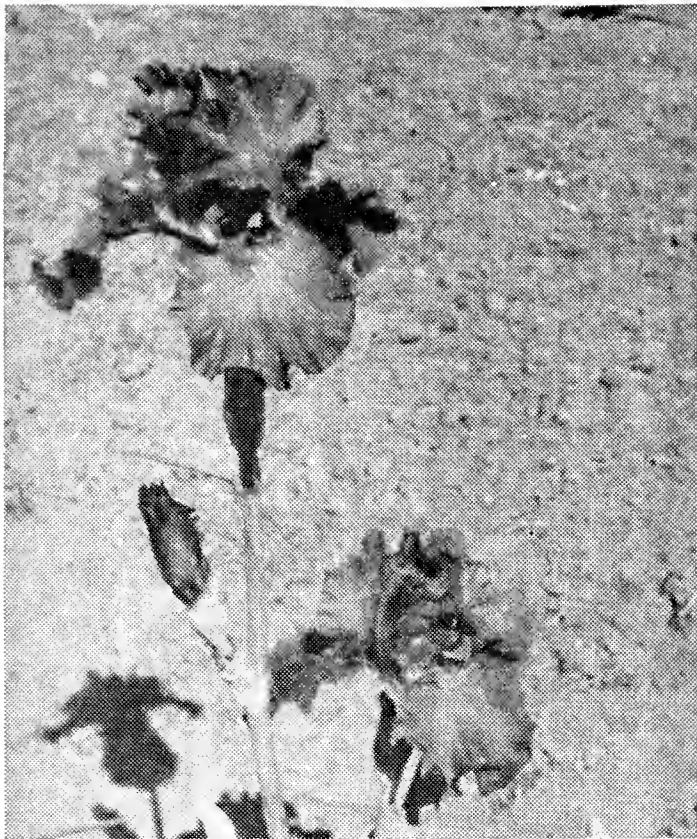
TINSEL TOWN (Tompkins '67) was a bright thing that could not be overlooked. A white with bright yellow on its hafts and with a yellow beard, it made a showpiece that we can add to our gardens.

Glenn Corlew's 339-5E is a new pale pink iris to watch for its introduction. Heavy ruffling adds so much to its distinctiveness.

Gordon Plough has given us several very interesting new irises. STUDY IN BLACK, a '68 introduction, is one that appealed to me. Very sooty in appearance and *oh so* smooth. Its plain form with just a lilt of a ruffle in the flared falls is a refreshing contrast to the many ruffled and pleated beauties that are in our irises.

PACIFIC SANDS '67 is a very muted tonal color. Very pale tan with undertones of pink (some pink veins show) combine with a good flower shape to make an iris that I like.

Those two pink irises that Melba Hamblen gave us last year are two



WESTERN HOST
Hager '66
(Photo Van Valkenburgh)



FLIGHT OF ANGELS
Terrell '67
(Photo Van Valkenburgh)

mighty fine ones. MUSIC HALL and JANNI are short varieties so place them in the foreground of your iris border and enjoy the perfect beauty of each individual flower.

We shall need to wait another year before we can acquire the extremely dark purple-on-white plicata Jim Gibson calls NIGHT LINES. The dark beard sets off the flower so well. But GOLDEN LARK (Gibson '68) we can now acquire. This orange-yellow self was very beautiful. Three buds per socket are an added attraction. Don't overlook his new SAUCY SUE, either.

Schreiner's MATINATA '68 lives up to the expected clear color of deep purple. And several seedlings under number were very nice too.

Good clear clean colors mark some of the varieties I had heard about and considered so highly rated—ROYAL TOUCH (Schreiner '67), ROYAL GOLD (Hamblen '66), and FLAMING STAR (Plough '67). Their respective colors of purple, gold and orange are beautiful in their purity, but their flower forms can be improved. We are getting close to true self colors, but the perfect irises have not yet been created.

BRIGHT BUTTERFLY (B. Jones '67) is a brilliant orange. The falls flare horizontally and have that touch of lacing and ruffling that we all like so well. Standards on a freshly opened flower are different. They grow so much that they change into a different shape after the flower is open a day, making the flower that much more beautiful. Heavy lace accentuates the standards also.

XANADU by Phil Edinger is what I call a true plicata. The light lavender-purple markings and dots edge the white ground in true plicata fashion. A large flower on a stalk that has nice branching puts this one in the class of "Let's add it to the garden."

Geo. Shoop's 64-16 was one that I really liked. The color—orchid standards, red-violet falls. The falls have a very fine edging the color of the



WEST COAST Knopf '66
(Photo Van Valkenburgh)



WINTER PAGEANT Palmer '66
(Photo Van Valkenburgh)

standards. A bit of striations at the haft did not mar the beauty of the flower for me, and a dark coral beard gave the whole flower that bit of life that set some irises apart. Two buds per socket and nice branching were added attractions. Substance of the flowers was pretty good also.

Two very fancy plicatas of similar color struck my fancy this year. Bill Schortman's OP ART '67 and Dr. Judy's SURPRISE SURPRISE '67 are certainly novelties. Both had red-violet dots all over the ground color.

Cliff Benson had a very bright pink seedling 66-15B on display. Its clear color made it a noticeable addition. Its bright dark pink beard highlighted the flower. On a one-year plant one could not tell about its branching.

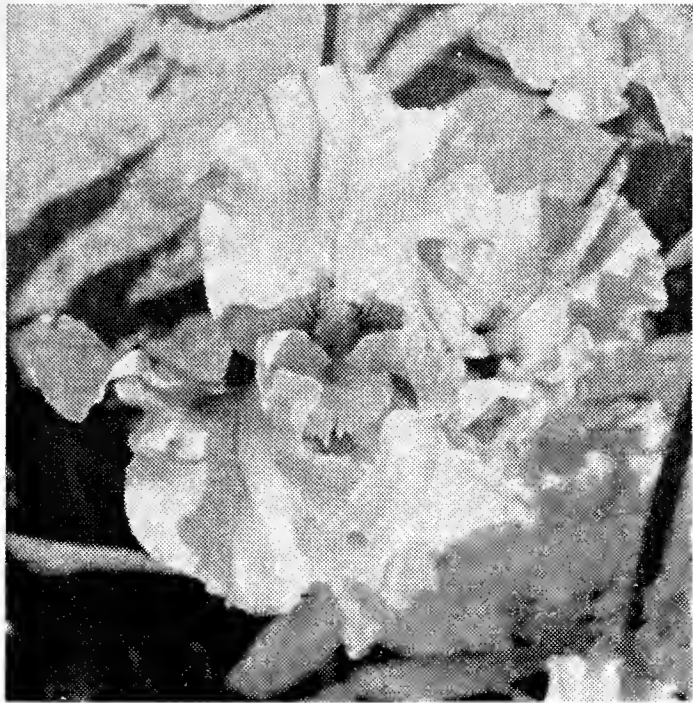
I also was interested very much in Cliff's SILENT SNOW. Picture in a previous AIS Bulletin whetted my appetite and seeing it makes me want to own it as soon as it is released. A very full-bodied white, reminiscent of its parent SKYWATCH for form, makes it worthy of introduction.

Luella Noyd has been working for whites with tangerine beards. I listed several of her introductions in my notes. CORDUROY AND LACE was one of them. The heavy substance of this variety was particularly noticed. It has a small flower. The other was her ROSES IN SNOW. Beautiful was the heavy red-rose beard on this white flower.

In many gardens ORCHID BROCADE (Rudolph '65) was growing wonderfully well. I have always liked the color of this variety. It is different and very pleasing, an orchid blend with quite a bit of tan concentrated at the shoulders.

I was happy to see many of Orville Fay's late releases doing well. RADIANT LIGHT and TROPIC ISLE are two of my favorites. I hope we have more from Orville soon.

Steve Moldovan's IRISH LULLABY '65, a pink self, bloomed profusely. I can see the added beauty of it if it were planted next to Keith Keppel's BABBLING BROOK '66, a beautiful ruffled blue with a veined pattern overlaid on the fall color. Here are two irises that shall be on the top of many want lists and both should do well on judges' ballots.



APROPOS Babson '64
(Photo Van Valkenburgh)



TAMBOURINE Babson
(Photo Van Valkenburgh)

The true beauty of Sanford Babson's CAMBODIA '66 only shows when the flower has expanded to its full proportions. The delicateness of the blended colors is just "out-of-this-world." How can one describe the color! It is a blend that does not give you the feeling of any one color like most do. Improved COMMENTARY (a previous introduction) it is! And *oh so much* more impressive.

A new, very short TB iris that I liked very much is Keith Keppel's SHORT STORY '67, a blue neglecta. Keith also has one called LOVE LETTERS, a deep pink with a busy haft that makes it distinctive. Also watch for his neglecta-plicatas as they come on the market.

Clara Rees has given us a fine new iris she has called WALTZING. A more appropriate name could not be attached to a variety. The color is appropriate also—deep lavender. Fine form, flared falls and good substance mark a fine iris.

CELESTIE (Theurer '67) was a variety I marked as a good garden iris. Every clump of it was performing well. Increases well, so you can see why I say it is a good garden variety.

Why haven't I mentioned CREDO (Babson '66) before this? This very deep wine-red self with its brown beard is so attractive. I can picture the beauty of it if you place it in your garden so that you can see it towards a sunset.

Catherine Smith has several irises I like. MEDORA '67, yellow and white, and ENTERPRISE '64, a canary yellow, were the two that especially appealed to me.

Last year we raved about the beauty of Dr. Durrance's AZURE APOGEE. In one garden this year I noted it with four open flowers. What more do we need? This light blue with that dark blue beard is a noteworthy addition to any collection of irises.

And never overlook the beauty of DEBBY RAIRDON (Kuntz '65). Once again I admired this yellow and white iris. And I also admired the beauty of GRAND ALLIANCE (Plough '65). This beauty stands so tall and erect that

it soon takes your eye. Deep navy, blending towards the purple shades, is the best I can describe the color. I liked the huge clump of LAKE WASHINGTON (R. Brown '67) that was in bloom. It has a true lake blue color also. Haft a bit narrow, but still this clump stood out.

In the green irises, I liked Joe Ghio's OASIS '67 very much. I labeled it a green yellow. Two nice branches plus a spur gives us an adequate number of flowers. Joe has several others that I like very much too. MEDITATE '67 a white, PENTHOUSE '68, a neglecta and even the large flowered BB white BABY SHOWERS '67 was appreciated.

So many were the types of irises to be seen that I took notes of only the names and then got out the camera to record them. *I. wattii*, *I. confusa*, the Dutch variety JOAN OF ARC, *I. cypriana* and many Pacific Coast hybrids were just a few that I fell in love with and wished that I could acquire.

Miniature tall bearded varieties were exhibited in the greatest number I had ever seen. SHRINKING VIOLET (Hager '66) was one I liked. PAINTED ROSE (Roberts '65) was another. Its gold standards, rose blended falls and good proportions were features that appealed. Jean Witt's ICE FAIRY '66 was a white with the falls heavily veined with blue. A yellow beard completes the picture. Extremely lovely in the large clump we saw. CLARE LOUISE (Dunderman '66) is a white MTB. I noted the unusual feature that the style arm came so far down on the fall.

I thought that Ben Hager's DELTA KING one of the finest Louisiana irises I saw. Others that appealed to me were the rose pink LSU BEAUTY; the deep sultry black BLACK WIDOW; the beautiful amethyst coloration of AMETHYST STAR; the bright yellow beauty of LADY FLORENCE; the rich violet color of ROYAL LADY, with an intense orange yellow crest mark in the falls; and MADCAP, a deep purple with a bright yellow signal.

How I love spuria irises! This was my first opportunity to see them in any great number so now my list of things to add to the garden includes the following varieties: The tan CONNOISSEUR (Hager '66), the bright gold GOLDEN LADY (Combs), the blend MEDIA LUZ (Hager '68), the orange-yellow that displayed four open flowers ELIXIR (Hager '64), the white and yellow DAWN CANDLE (Ferguson '65), IMPERIAL SONG (McCown '65) is the same color, blue and yellow FAROLITO (Hager '66), red RED OAK (Ferguson '66), the yellow and white LYDIA JANE (Walker '65), and I will wait for Ben Hager's new gold colored S292BO and the almost white S113.

I saw so many irises. I took so many notes. I snapped a great number of pictures. I judged a great many irises. I socked it to them, and I feel they hit right back by putting on such a magnificent display that I feel I didn't get to see all of them; the gardens were so full of bloom. Enjoyable! That isn't the word! It's HEAVENLY!!

Oh, and how I wish I could describe each and every variety that I saw.

But, the unbelievable part of the convention is the great number of irises being named that are not worthy of being so honored. Our hybridizers and introducers should be aware of what is on the market before they put a name on an iris. Surely you can tell if you have an outstanding addition to make to our already crowded field of varieties.

"Sock it to me, Baby!"



Barbara Serdynski, Peg Dabagh and John Ohl in the Dunn garden.
(Photo by Long)



From left to right: Harry Kuesel, Bee Warburton, Maybelle Wright, and
Bennett Jones. (Photo by Long)

The Berkeley Convention

EDWARD JAEGER

On April 27, Dorothy and I backed the Ford out of the drive and pointed its nose to the south, heading toward the Golden Gate and the AIS convention. In a matter of three hours we were out of the State of Utah and traveling over the Nevada desert. All day we saw nothing but small towns and the white line on the center of the road. At last we arrived in Reno, where we made an overnight stop. Have you ever arrived in a strange town during the five o'clock rush hour and tried to find an address, driving bumper to bumper?

Early the next morning we lifted our sleepy heads from the pillows and started over Donner's Pass, where everything was green and pleasant to the eye. We took a quick look at Lake Tahoe and then started for Sacramento, where we spent the next two hours looking for the Capitol grounds.

Then on to Berkeley. The first thought that came to my mind when we left the freeway was, "Now where is that hotel?" But it was not long before that weird feeling left me, because for once in my life I entered a city and got on the right street to begin with. All I had to do was to follow my nose and avoid asking questions.

When we arrived at the hotel the first thing we noted was the smiling faces behind a table in the lobby. In just a minute we learned that these happy faces belonged to the Convention Committee of Region 14. They at once made us feel at home.

The first night we visited the hotel gardens. The following are what impressed me most:

INDIGO IMP (Elkins '67). A well-formed, with good branching, bluish purple.

GAILY CLAD (J. Nelson '63). A good clean light violet-blue with yellow hafts; tangerine beard.

GOLDEN LARK (Gibson). A good, laced, medium yellow.

POWER AND GLORY (Noyd '67). A clean red that attracts attention.

HEAVENLY GUEST (Schmelzer '66). A good white with texture, form and branching.

The following three are a must to me.

GALA MADRID (Peterson '68). Standards butterscotch; falls wine.

FUJI'S MANTLE (Schreiners '66). White standards and light blue falls. An eye-catcher.

FLIGHT OF ANGELS (Terrell '68). A ruffled white that stands apart from all other whites. It shouts, "Come and get me".

Monday, April 29, at the Botanical Garden was:

HOTSIENNA (Luihn '62). An arilbred with orchid standards splashed sienna; falls same but with burnt sienna; bronze beard.

At the Bob Brown garden were the following beauties:

TAWNY MINK (Schreiners '66). Very well-formed bronze-yellow.

EPIC (Babson '65). Medium blue splashed with orchid; fluted.

COUNTRY SQUIRE (Gaulter '66). A nice ruffled white ground plicata with deep blue-purple stitching; blue beard.

BLACK SWAN (Fay '60). Red-black with a brown beard; ruffled.

Tuesday, April 30, at the Davis Test Gardens, was:

DANCING BRIDE (Rudolph '63). A nice clean white with yellow hafts and beard; a nine bud count.

In the garden of Mona and Lois Carnahan these beauties we saw:

BLACK WIDOW (A species). Large purplish black; this is a must.

CAESAR'S BROTHER (Morgan '32). A deep violet.

VIOLET RAY (A Louisiana). A huge violet with flashing white veins; dark accents; deep mulberry-rose.

PIKES PEAK (Foster '66). A good white.

Bob Dunn had these to show at the party:

SUNSET BLUES (Roe '65). Standards bluish white; falls light lavender, with a blue-tipped beard.

GAY TRACERY (Gibson '65). Smoky amethyst on white ground plicata; fluted and ruffled.

DELTA KING (Hager '68). A Louisiana; red with yellow spears.

At the Sergio Gottardos this is what we saw:

FORMAL FASHION (Terrell '65). Black-purple self; easy on the eyes.

QUAIL (L. E. Craig '67). This is the cutest small iris I ever have seen. It is a must. Golden standards; white ground falls with brown stitches. Gold beard.

AMIGO'S GUITAR (Plough '64). Standards a buff and violet infusion; falls violet.

Wednesday, May 1, at the Melrose gardens; a must to see. However, there is too much to be seen in one day, so here is part of what we did see:

CONNOISSEUR (Hager '66). A spuria; copper-yellow; standards tinged lavender; stylecrest a very showy amethyst.

TOUCHSTONE (Hager '66). Standards medium copper-brown and same color border on flaring falls, which have gold glaze; beard deep orange.

ECHO ONE (Schortman '66). Bright yellow plicata with brown markings and beard; ruffled falls with a white blaze.

ROYAL GOLD (Hamblen '66). Brightness of the gold-yellow class; deep toned beard; good texture.

LILAC CHAMPAGNE (Hamblen '65). Light yellow standards with blue-violet edging; blue-violet falls; beard and hafts light yellow.

HALLELUJAH TRAIL (Tompkins '66). Bright plicata with white ground stitched and speckled orange, copper and red.

BABBLING BROOK (Keppel '66). Light blue with deep blue-toned veins and a pale yellow beard.

Thursday, May 2, at the home of Frank Hutchings, there were these eye-catchers:

ORANGE PARADE (Hamblen '61). Nicely ruffled and laced orange standards and lighter orange falls and beard. This I must have, and it is beautiful wherever it is grown.

CRAFTSMAN (Knopf '64). Ruffled deep yellow standards; falls cream with yellow border and orange hafts.

MERRY RIPPLE (Schreiners '64). A definite blue on white ground plicata.

At the Walt Luihn garden, my favorites were:

PINK HORIZON (Schreiners '68). Large bright pink; tangerine beard;

falls did not droop.

BEHOLD (Shoop '67). Blue-white standards; lavender falls with tangerine beard; very striking.

Tom Foster's garden held two of my favorites:

GAY LIGHTS (Schreiners '65). Copper-brown standards; falls yellow edged copper; slightly laced.

CANARY FRILLS (Bro. Charles '65). Very nicely laced canary yellow.

Tom also had a beautiful bed of Louisianas.

Some day soon I hope to have everything mentioned here in my garden.

Friday, May 3, tired and weary, we headed the Ford to the northeast and home, with Bion Tolman riding shotgun as far as Sacramento. On our arrival home, the first thing I wanted to see was my backyard, where there were six irises in bloom. After looking over the work that had to be done, it made me so tired that I had to sit down and rest. Oh, my aching back!



George Mace, South Africa, and Mr. and Mrs. Richard Bulter admire Hi VALUE (Knopf '66) in Corlew garden. (Photo by Long)

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Miss Clara B. Rees (left) examines the novel “This Is Your Life” charm bracelet presented at the national meeting Welcome dinner by the Clara B. Rees Iris Society, Mrs. Gene Venum, president (right). The bracelet, pictured at the right, has charms representing milestones in Miss Rees’ life, including the seals of Ohio and California, the 1059 Bird Avenue home, an adding machine, SNOW FLURRY (A thing of beauty and a joy forever.), the formation of the Clara B. Rees Iris Society, the first show, the Clara B. Rees Cup for the best white, the Hybridizer’s Medal, and ending with a heart charm for her sister, Ruth, with her self-given garden nickname “Girl Friday.”

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FLOWER POWER HAS A HAPPENING

PEGGY BURKE GREY

A couple of Berkeley magicians got to work on the weather and delivered some of California's fabled sun to shine upon the visiting irisarians. There scarcely can be any other explanation for the solid week of glorious weather and magnificent bloom. Surely Roy Oliphant delved deep into his priceless library on witchcraft and passed along some special secrets to Bob Brown, convention chairman and a noted amateur magician.

The old dowager empress of California's resort hotels, the Claremont, managed to maintain her somewhat threadbare dignity despite jibes of visitors unaccustomed to Victorian inconveniences. Her estate was, after all, planted to the nines with the royalty of modern irisdom, and the flower people had come to pay court.

People were remarking on how California's superlative cultural conditions had brought these Claremont display beds into the peak of perfection. Almost every clump was growing like a color catalog dream. Perhaps there's something pertinent in leaving it to nature and trusting to luck because the hotel's promise to lend its gardening staff didn't materialize, the planting wasn't weeded or cultivated until five weeks before the convention, and a commercial spray firm was then called in to give one application of systemic insecticide. Except for placing snail bait around some agapanthus accent plants, no other attention, and no fertilizer, was given to the plants. The soil had never grown irises before.

"Bob Carney Is A Hippy"

The tone for the gathering was set by Region 14's Clown Prince Jack Geyer, who employed the services of cartoon characters from a Peanuts coloring book to make jest at AIS personalities, then plastered them all over the lobby. One was greeted at the registration desk by Hubert Fischer wielding his scepter at his charming Marie and declaring, "I'm the President and don't you forget it!" (A *Bulletin* typographer had erroneously elected Mrs. Fischer to succeed him.) Hubert confessed that Marie's reply was "I won't forget but take the garbage to the compost pile when you go out."

Across the room the Robin Program Flight Deck featured a huge reproduction of Flight Lines' masthead swarming with Peanuts people where Florence Clark and her aides posted colorful name cards designed by Bill Krasting so incoming robin members could locate their pen pals. And the mob gathered around the large bulletin boards adorned with important pronouncements by Jack's Peanuts friends — people like Ann and Ev Long turned out in coonskin caps with Ann proclaiming, "I had to tell him we were going to a Happening to get him here!" Picket Hugo Wall paraded with a sign declaring for "Peese on Erth, Luv yur Naybur." Tom Brown showed indications of a storm gathering as he sulked, "The next one who calls me Mr. Opal Brown better look out!"

"See Roy Oliphant For Snake Bite Remedy"

AIS is fortunate indeed to have one of its National Test Gardens, and the Region 14 Test and Display Garden, at the University of California Botan-

ical Garden, the only plant society so favored. It's furthermore almost unbelievable good fortune that the University furnishes some of the labor, materials and funds to help keep our test gardens operating. Devout thanks for this help belong to Dr. Anton Christ's interest; he's the Botanical Garden manager. Located on a high slope overlooking the rugged, wooded steeps of Strawberry Canyon and the lush beauty of Rhododendron Dell, a locked plot contains representatives of every section of the Genus Iris, planted in tall terraces, and for the convention nearly everything showed some bloom.

If anyone ever deserved full measure of credit for an almost thankless job of planning and planting, needling and prodding, it's Region 14's past RVP Roy Oliphant. His own home garden is a feast of botanical treasures and he's given the AIS Test Garden somewhat the same flavor of an iris treasure hunt. To Bob Oliphant, Roy's 20-year old archeologist son, now studying for his advanced degree at San Francisco State College, goes the credit for the heavy work in building the display beds. He spent endless hours wrestling the enormous timbers which terrace the steep hillside beds firmly in place to provide wide paths alongside the deep beds. He brought in tons of virgin soil from the higher reaches of Strawberry Canyon, and visitors gasped at the scope of the work and its decorative effect.

To bring to the public the newer and better irises and the vast variety of types within the genus, and to keep up with standards so that judges can make evaluations from a full knowledge, is the primary goal in building this complete collection. The Region's hybridizers are represented by comprehensive displays of their work over a period of time; there are huge collections from breeders all over the world; the central location enables the judges, and the public, to see all this without extensive travel. Featured in the display are memorial collections from the Region's famous breeders of the past, all the Pacific Coast native species, aril species, and Dr. Lee Lenz' collection of spuria species and interspecific hybrids. The entire collection of bearded iris species from Dr. L. F. Randolph is there, as are collections of the late Dr. Elwood Molseed's rare evansias with their interspecific hybrids and some of his tigridias. Over 150 Japanese irises, the starts of collections of the Louisianas and Siberians (which hopefully will be filled out), an array of Dutch and Spanish bulbous irises, all make this project one of mind-whirling magnitude. Various colorful and ornamental edging plants and ground covers are also being tried and they're all labeled.

"Rholin Cooley Burnt His Draft Card"

High in the Berkeley hills overlooking San Francisco Bay, the homes are built on precarious shelves which lend themselves to marvelous terracing designs. Flatland midwesterners were enthralled. Such a garden belongs to Jean and Bob Brown. Their wonderfully compact little garden contains a tremendous collection of Jean's cacti and succulents, representing some 2,000 different kinds. Hundreds are displayed in interesting pots and containers on shelves built in behind their entry fence. Another bed on one of the high raised terraces features handsome rocks and driftwood pieces from mountains and seashore. The irises are grown in redwood-stained-charcoal boarded beds with spacious paths wandering up and down the hillside. As with most California gardens, one of the more colorful ac-

cent plants is a huge crimson bottle brush; it's name is exactly descriptive and it was a riot of color in almost all of the tour gardens, both in bush and tree form. Bob maintains a cross-section of professional and amateur hybridizers' varieties, the good and bad of each, with groups of similar irises from different breeders, aimed at keeping conversant with both great garden irises and the judges' dream plants.

"Melba Hamblen Fertilizes With LSD"

Two fairly new Sacramento area suburban gardens belong to near-neighbors Mary and Bob Dunn and Leota and Sergio Gottardo. Upon entering the Gottardo's via a covered patio, one spies large insects in the redwood planter boxes — papier mache', ones with hopeful expressions. Again a fiery red bottle brush tree drew admirers. Border plantings of roses and marguerites and a lush green lawn pay high compliment to the large blocks of irises. People were congregating around the bluest iris ever seen, a seedling of Mary's with firm plastic substance; in fact the thing was all plastic. Another group was fascinated by the late Maynard Knopf's huge green-white flat iris GAZOO, which BeeBee admitted should have been named Topless. It's a good, and certainly floriferous, garden clump, definitely an asset if you want novelty in bearded iris form.

Mary and Bob's garden is an enchanting jewel-box of plant treasures. Cacti and succulents in charming pots adorn the patio roof-support posts. A lawn like emerald velvet flows in free form to a large square brick-bordered fish pond on one side and through raised beds lifted with redwood retainer boards and curved benches. To one side is a large planting of deep green St. John's Wort beneath the shade of a magnificent 8-year old white alder. A large collection of prize daffodils is planted in cans sunk in a bed between daylilies and roses, covered with wood shavings. Here a single huge terminal flower of the Louisiana iris MADCAP (MacMillan) was poised like a resting butterfly of black-purple velvet — it literally created a traffic jam, especially among those who'd never before seen a Louisiana iris. And there were plenty more to see because the fence-borders of these, and the Siberians and spurias, were all in full bloom and taking most of the attention away from tall bearded things. Also in for some attention was Bob's toad hybridizing experiment in the fish pool; he's using them for insect population control.

"Jim Gibson Hybridizes With Pot Pollen"

In the Carnahan household, Lois is the iris buff, Mona the flower arranger, and their garden is another to make one sigh and dream. Bounded by an ancient weathered wormwood fence with massive matching gates, it is really several gardens, divided by high ornamental hedges yet united by spacious flowing lawns. Priceless specimen flowering trees and shrubs accent the gracefully curving perennial beds where the irises are set off by interesting companion plants. There are peaceful terraces where a real treat was in store for visitors. Displayed on tables and hanging on the walls were breath-taking arrangements done by members of the Sacramento Arrangers Guild. This was in celebration of the debut of a new book, *New Structures In Flower Arrangement* (Hearthside Press, New York; \$5.95) by Frances Bode, with photographs by William Bode, and the



Lois Carnahan, on left, chats with guest in Carnahan garden. (Photo by Marion Copley).



Robert Brown, Convention Chairman, and President Hubert Fischer in Claremont Hotel Display Garden. (Photo by Marion Copley).

author-photographer team was on hand to autograph copies in this special sneak preview. Frances explained that flower show arrangers now seem to emphasize design, but that floral mass is important too and the displays of arrangements were to show both lots of flowers and design. Her book features several of Mona's arrangements.

Noteworthy in the Carnahans' patio were unusual hanging containers of interesting ivies, fuschias and geraniums, along with unique flower pots on pedestals made from storm drains topped by large sand-filled trays which were actually transformer insulators.

Here we met one of AIS' youngest arrangers, hybridizer and an aril devotee, 7½-year-old Keith Leech. He had just taken top honors in the Sacramento Iris Society show's junior division, along with Janet Holloway, Marilyn and Mack's talented daughter. Keith is a charming youngster. He's been making flower arrangements since he was four, won't use anything he doesn't grow himself, usually works with tall bearded but recently has become interested in smaller irises. He's now doing some experimental work with the C. G. White hybrids and plans to move his extensive collection of arilbreds to the family's El Dorado County ranch where the mountain climate and soil better suits them than the Sacramento Valley. There's a tremendous future for this young fellow; he's presently studying embryo culture techniques and is seriously interested in genetics. He's all boy, wild about baseball and football, and his mother noted that there's no parental pushing but merely encouragement of his interests wherever they seem to take him.

A brief stop was made at the new planting of irises in the brand new botanical garden on the Davis Campus of the University of California. This is the home of the College of Agriculture where an increasing interest in irises is taken, and although as yet the planting is somewhat young it bids fair to be an important asset to AIS for the future.

Melrose Gardens is about the only really large commercial iris farm left in California, once the headquarters for many such. Land development, property prices and taxes have all but driven them out of existence. Ben Hager and Sidney Dubose bought Melrose from Irma and Jim Melrose in the late 1950's, later moving it from Modesto to Stockton; and the long, difficult struggle to keep it going is finally showing some rewards. This is a place where anyone wanting to know about the care and culture of strange irises from far-off places almost automatically turns; they grow some of the world's most priceless collections of rare species. Almost all known forms of *I. laevigata* are growing in bathtubs alongside the lath house. Also just in bloom was tiny *I. tridentata*, an extremely rare South Carolina native of the section *tripetala*, provided by Caroline Dormon. Its delicate little stalks are reminiscent of the miniature talls holding up a shy little blue three-petaled flower. Some of Elwood Molseed's evansias were flowering, and in the large spuria bed were hybrids from Lee Lenz' European collections. Ben himself has done considerable interspecific crossing in this field, and his brand new introductions of spurias show high promise for the gardens of tomorrow.

At first sight the panoramic view of whole fields of irises in bloom staggers the imagination. A handsome souvenir book pictures the Melrose family of hybridizers, and most of them were on hand to greet conventioners, including swarms of friendly miniature dachshunds, the other Melrose cash crop. Special plantings contain the Melrose introductions, the convention guest irises (a planting duplicating the Claremont and botanical garden scenes), beds of Siberians, spurias, Louisianas, medians by class, and a section around a swamp, not in bloom, given over to Japanese irises and Pacific Coast natives. There are also superb plantings of daylilies and plant houses chock full of other treasures including exquisite bonsai trees and shrubs.

Smack amiddle of the world's finest irises was the Dog Patch and it had nothing to do with dachshunds. Neatly corralled behind a high white board fence were such superlative creations as Virginia Messick's BOTRYTIS BROWN, Sanford Babson's BUILT IN OBSOLESCENCE, Madsen's VIRGINIA WOOF, Hager's GENETICS IS EASY, Jack Durrance's curled-up try for the perfect chartreuse amoena D. UG I., Dubose's HOPELESS LOVE, Gibson's K9 CAPERS, the Terrell's SOOO SORREE, Steve Varner's GREAT PYRENNES, Hager's answer to Frank Hutching's perfect pink amoena named THANK YOU, HUTCH, and Bob Brown's KRUMMY. We noticed Lura Roach sneaking around making remarks about helping a poor dog while Mary Hoskins openly lobbied for people to "Vote for the Underdog of Our Choice", but Roach's HOUND DOG simply couldn't hold a candle to Lloyd Zurbrigg's magnificent CAVE DOG; there was so much of it that it won the special trophy for the Best of Breed, a stuffed dog atop an elegant stand. (Our own "Hush Puppy" got sick and couldn't attend the convention.)

"Connie, Bob and Bernard Are Flower Children"

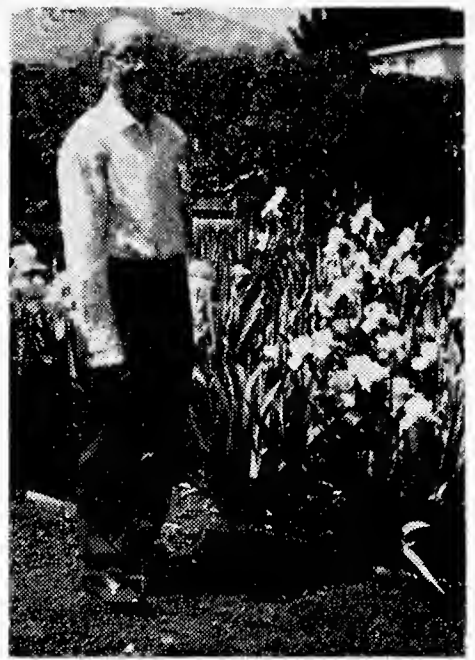
Nell and Glenn Corlew's Cherry Lane garden in Walnut Creek is a new one in an attractive residential area. The house sits on a large lot where every spare inch of space is devoted to neatly placed formal beds. An enormous piece of driftwood is effective against the house wall as you enter



Ben Hager and Sid DuBose (Photo by Long)



Robert Schreiner and Tom Foster (Photo by Long)



Frank Hutchings in his garden (Photo by Long)

the garden over clever cement stepping stones with flowers drawn into the surfaces. Glenn's beautiful seedlings, both tall and border sized, and superbly grown new varieties, make this a very special favorite visiting place for Region 14 irisarians. The young flowering trees and pretty flowers in cutting beds alongside the patio add interest to the iris planting.

Dorothy and Tom Foster's Walnut Creek garden is a landscape architect's triumph. Huge oaks are surrounded by redwood boxes with bench tops. Surrounding a large brick patio and terrace are raised beds, also with bench tops, where rhododendrons, azaleas, camellias and fuschias make a magnificent show interplanted with primroses and other perennials. The iris beds also are raised for easy care, and scattered throughout them are pansies, coral bells, roses, delphiniums, columbines and a bounty of other charming plant companions. It's a tremendous planting and almost impossible to believe that Dorothy and Tom do all of their own garden work, but that's the way it's designed. A particularly impressive clump of the Pacific Coast native *AMAGUITA* was effectively spilling its flowers over a redwood planter board. The displays of bulbous irises, Siberians and spurias against green shrubbery made a real spectacle of each individual stalk.

Goldie and Frank Hutchings live in Hayward and Hutch is known as the most persistent breeder for *the* pink amoena anywhere around. He's been working on the project, singularly and steadily, with a picture in his mind of exactly what he wants, for at least 20 years. Many of his seedlings which long ago hit the compost pile far surpass the introduced varieties toward the goal. Visitors saw what is current with this project from scores of fascinating crosses. They were also charmed to find a huge turtle, picked up many years ago by Hutch on his mail route as a tiny creature.

One could stage a glorious snowball fight with the tremendous snowballs from Hutch's trees, and the splashy bottle brushes and tree roses, the

heavenly fragrance from cutting beds of stock and snapdragons all made this a delightful place to view. A lovely array of flowering fruit trees was planted in circular spaces at path junctions with ornamental shrubs pruned to tree shapes as accent plants in the iris beds. The overall effect is of a much larger garden than the space actually is.

Vi and Walt Luihn's Hayward garden draws steady traffic from the moment the first aril species open their buds each year. They grow one set of oncocyclis species in a plastic plant house, another outside against a unique backdrop made of discarded fluorescent-light rods arranged in a redwood frame. This panel fronts a garden house-tool shed with its own refrigerator (for seed stratification and cold drinks). Everything at the Luihns', including the hosts' shoes, was done up in yellow for the visitors. Wall vases with yellow seedlings, a huge coffee urn covered with a cylinder of yellow corrugated cardboard decked with cut-outs from iris catalogs and signatures of Region 14 hybridizers, everything from tool handles to water buckets to garden furniture was painted bright yellow. Even Glamor and Ginger, the sociable big apricot poodles, wore yellow bows in their pompadours.

The aril species were through blooming but the garden offered a fabulous array of arilbreds of every imaginable description as well as wonderfully well-grown bearded things. Creating a stir of interest was a large tub of blooming bird-of-paradise, a real tropical. Vi and Walt are fastidious gardeners and we've always felt one could eat off the ground here.

The Gaulter garden is famous for two things (at least): the unbeatable hospitality of Frances and Larry, and the unbeatable collection of the world's finest irises in a very small space. Irises don't have to be in season for the crowd to congregate here. Half the year is spent just wandering around looking at foliage and labels. A low white picket fence, fronted by reddish-foliaged roses, separates the comfortable screened-in porch and lawn area from the back of the garden where Larry grows his irises like vegetable row crops. The crop for the convention spilled over into his either-side neighbors' yards, and one side of the picket fence was solidly lined with a long gorgeous row of LAURIE. Larry claimed he needed a lot of it close at hand because he uses it so much in hybridizing. It was totally fantastic. It won the President's Cup. It really had no comparable competition. Neither did the wheelbarrow full of cookies, nor the selected forms of low evergreens and ornamentals in the patio garden.

"And If You'll Kindly Turn To Page 37334 Of the Judge's Handbook . . . Oops, That's My Zip Code" — Bill Bledsoe

It never takes irises to make an AIS convention. A lot of past conventions have suffered from inclement weather before and during the festivities and been termed a rousing success simply because iris people are delightful. There were over 450 of them in Berkeley. The Californians beamed as they read the registration rosters and noted almost legendary names — Catherine Smith, the Arthur Watkins, the Jesse Wills, Judge Guy Rogers, W. A. Payne, and it becomes embarrassing to try to recall who-all *was* there because one's head whirls at the remembrance of those wonderful crowds and the inevitability of forgetting to include their names in the recounting.

The special iris society meetings draw large gatherings to hear progress



Mrs. Kenneth Smith and Dr. Clarke Cosgrove (Photo by Long)



CUP RACE (Buttrick '62) (Photo by Long)



Allen Harper tape records varietal comments (Photo by Long)

reports on hybridizing and new varieties and to view slides. Their special publications will carry full reports and it's obvious that the sight of so many irises in special classes was reflected in a rush by former tall bearded devotees to obtain membership in the various other AIS Sections and the Aril Society International. The newest AIS section, the Reblooming Iris Society, was off to a rousing start with Margaret and Lloyd Zurbrigg on hand, and Ellie and Bob Hubley, the western regional vice president. Median Society chief Harry Kuesel (it's pronounced Keezle), Bee Warburton, Maybelle Wright, Bennett Jones, Alta Brown, Joe Gatty, Bill Peck, Mssrs. Hager and Dubose (Sid almost never attends these functions so his presence was a rare treat) were all there. Spuria fans were represented by newly elected president Ila Crawford, Eleanor McCown, Archie and Ed Owen (Ed is mostly interested in those beautiful American Shetland ponies), Bill Gunther, Clarke Cosgrove, Oren Campbell. The whole Aril Society International seemed to be on hand with John Holden, Tom and Wiloh Wilkes, the Luihns and many of their California contingent of hybridizers. We don't mean to slight the Siberians, Dwarfs, Japanese and other groups, but there was so much continuous activity it was impossible to keep it all assembled.

Probably the most popular meeting of the convention was the Judges Training Program presented by this field's number one expert, Bill Bledsoe. He's a spellbinding speaker and with the aid of Oren Campbell and a steady flow of questions from the floor, the time allotted passed too quickly. Nobody with the opportunity to attend one of Maestro Bledsoe's sessions should pass it up because it's a royal education, whether one is old or new to the iris world.

Another enjoyable activity was the impromptu slide program put on by Jack Geyer. People could show their own slides and view irises, gardens and people while the more rambunctious conventioners underwent a stiff course in the Attitude Adjustment and Personality Development Hour in the Gaslight Room.

The banquet which closed the convention was held in a room decorated with panels representing scenes of knights in armor with their ladies. In keeping with the temper of the times around Berkeley was a banner over one fortress which announced "Ban the Lance". Joe Ghio was Master of Ceremonies. RVP Glenn Corlew and convention general chairman Bob Brown spoke briefly before introduction of Dr. Robert Raabe of the University of California's Plant Pathology Department, who gave an amusing, enlightening talk. Presentation of awards for 1967 was made to those winners present, but since they've already been published, they won't be repeated here. The President's Cup for the best Region 14 variety went to Larry Gaulter's LAURIE. The Franklin Cook Memorial Cup went home with Lillian Terrell (Collie couldn't attend) for FLIGHT OF ANGELS, which tied for the honor with Stedman Buttrick's CUP RACE. Both are simply magnificent white varieties, entirely different from each other, grown on stalks with three and four open flowers so that it really was impossible to choose between them.

All in all it was a *wonderful* convention and the credit goes to the Region 14 committee people and their spouses who staged the whole thing: Bob Brown, Glenn Corlew, treasurer-registrar Frank Crouch, assistant registrars Leslie Luevano and Helen Monroe, guest iris chairmen Keith Keppel and Francesca Thoolen, Vern Wood who managed the Claremont planting, transportation chief Bruce Farrington and his bus captains, hospitality chairman Bernice Roe, Marilyn Holloway and her corps of gracious hostesses, Jack Geyer who did about special meetings, Frances Gaulter and Alice Gordon and the catering committee (the food was out of this world even when it was hard to get), Joe Ghio and Marion Copeland who managed to acquire mountains of publicity, and Larry Gaulter who rode herd on everything for the AIS Board. Dozens of hard-working people pitched in to do all sorts of jobs, large and small. They know who they are and they can bask in the warm feeling that even if not all of them are named their efforts added up to the resounding success of it all. As Art Watkins declared (in his Peanuts cartoon) "California sure ain't like New Hampshire In April!"

And finally as the Happening drew to a close, George Gordon came down to earth from his tower among the space science laboratories in the upper atmosphere of Grizzly Peak to march through the Claremont lobby with a placard saying "Flower Children Go Home."

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For Other 1968 Introductions From Mission Bell Gardens See

April Bulletin page 23.

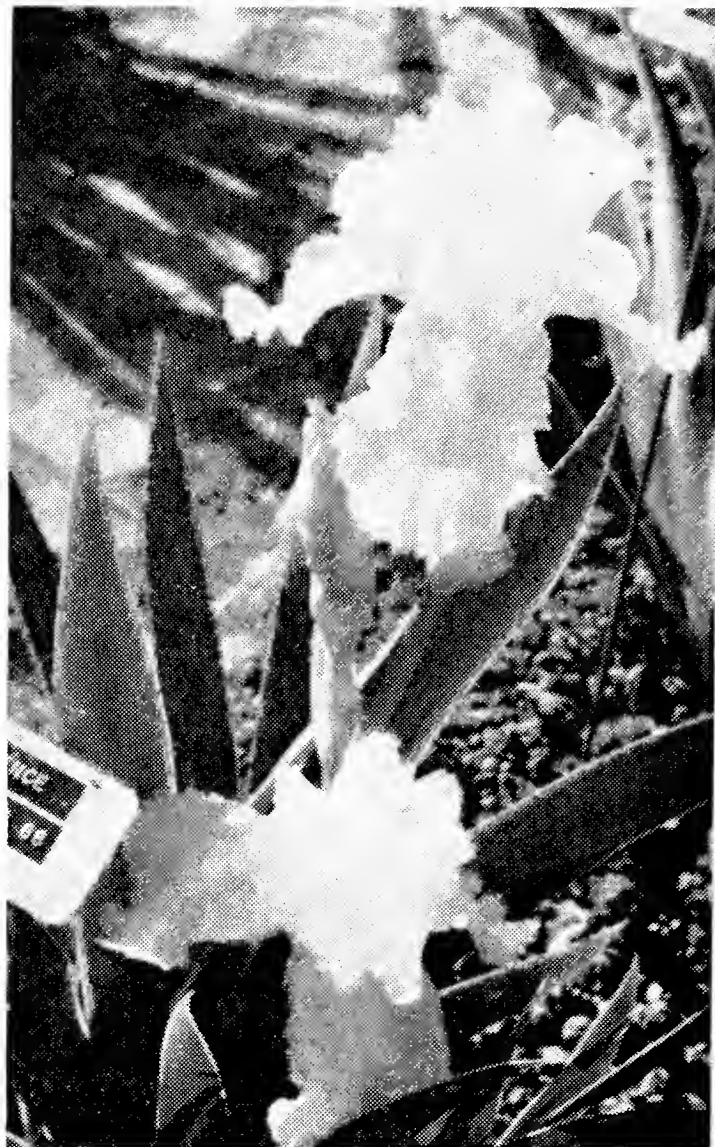
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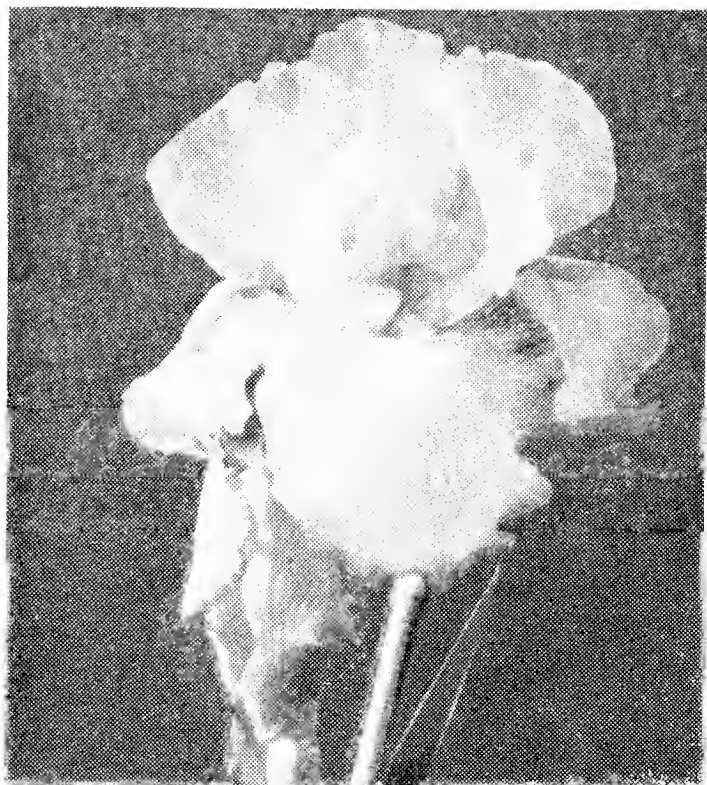
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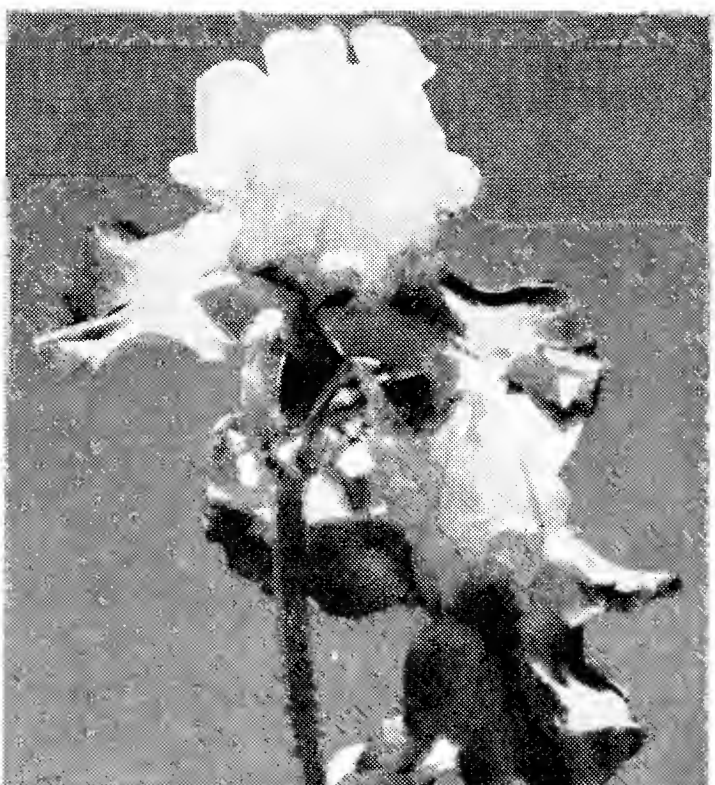
TINSEL TOWN Tompkins '67
(Photo by Kuesel)



SILENCE Tompkins '66
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APRIL MELODY Gibson '67
(Photo by Kuesel)



SHORT STORY Keppel '67
(Photo by Kuesel)

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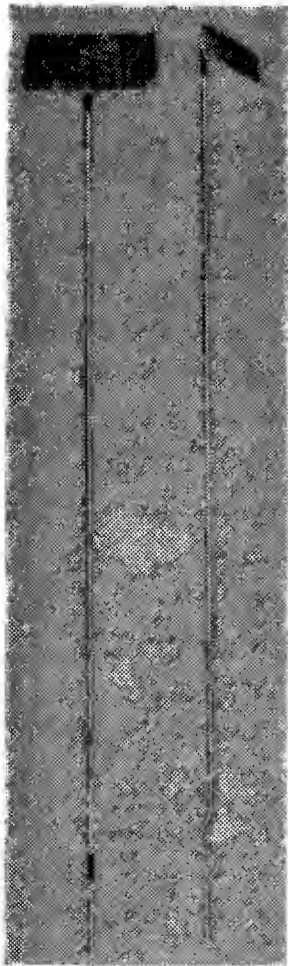
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FOOTNOTE 12". Globular neglecta with greyed lavender standards, royal purple falls edged lavender. Excellent carrying power. PREAMBLE X KNOTTY PINE. \$5.00

FINE PRINT 15". Pastel plicata. White ground, plicata stitching in pale lavender. Gives a cool white effect from a distance. Excellent form—flared round falls, light ruffling. Many stalks, many buds, and often three branches plus terminal. Occasionally fall blooms in California. Sib to FOOTNOTE. \$5.00

1967 Introductions

SHORT STORY Short TB neglecta \$17.50

PREAMBLE IB amoena-plicata \$5.00

California Grown and Bred

JOE GATTY

The jet that had begun its westward journey at Newark, New Jersey, had smoothly made its way skyward to its destination: Los Angeles, California. Two of its passengers, two irisarians who had spent a great deal of the flying time from east to west talking irises, were now about to begin a long anticipated adventure, one of ten days in California, one that would eventually find them visiting iris gardens from Perris to Berkeley. And their host, he who greeted them at the airport and who knew these two people had but three days in Southern California in which to see all that could be seen there in that too short a period of time, wasted not a moment of this precious time but suggested that the usual too abundant luggage be placed in his car's trunk, that we be off to Farmers' Market for a light lunch and from there to come to know the people and places of Southern California.

The people? I, Mrs. Charles Aulicky of Martinsville, New Jersey, and our host, Dr. Clarke Cosgrove.

It takes but a view from an automobile window to become enamored of California. One cannot help but appreciate the horticultural lushness that is everywhere to be seen, an abundance of plant life that seems so very fitting to the scenic that is so bountiful here, there, and everywhere in California. And amid all this, here reside irisarians who grow and bring into being lovely irises.

The Los Angeles garden of Lura and George Roach, Sr., was the first California iris garden we visited—a finely planned and landscaped garden and one which contained good bloom of many of the latest originations of many hybridizers. It was here that we viewed for the first time Mr. Glenn Corlew's introduction of this year, the very charming and ruffled pink and white so aptly named and registered as *CHERUB CHOIR*. This variety was definitely worth more than one viewing and we immediately hoped that we would see it again in bloom, perhaps in one of the scheduled convention tour gardens. Unfortunately, the day we visited its originator's garden in Walnut Creek we learned that *CHERUB CHOIR* had finished singing its song for this particular iris season; thus many a convention-goer missed seeing a most delightful addition to the pink scheme-of-things. Here too, and absolutely no reason why it should go unnoticed, was a soon-to-be introduced iris, one that appeared to have it in spades in the plant, stalk, form and substance of flower, departments. The iris is *TOUCHE*, a very distinctive Hamblen origination, and one that is said to be scheduled for introduction in 1969. In color, it is a difficult iris to word-describe, and this is so very true of many of the color-blended varieties being introduced today, but it is very enjoyable to see. Its standards are violet flushed pink, and its blue-violet falls are both intensified in color and contrasted by red beards blended blue. It's an iris that will be appreciated by many; one that is both muted and bold of color. And it is one that will be appreciated by the hybridizer, for he or she will immediately conjure up new wonderful hopes and dreams of how *TOUCHE* will spice up future seedlings. And here too in bloom, and in bold clumps, were Mr. Keith Keppel's very good, very garden-dependable, *NINEVEH*, *BABBLING BROOK*, and *DIPLOMACY*. If I

could have but one of these three, and fortunately I do not need to make this choice, it would be the variety NINEVEH, a choice smoldering bit of color unlike anything else in commerce today.

One immediately learns when visiting a California iris garden that the tall bearded iris are not permitted to hog the iris stage, but must share it with an iris form that is uniquely different of flower form than the tall bearded iris, but that is nevertheless as lovely in its own way as is the tall bearded iris in its. The modern spurias play an important garden role in all California gardens, and this was very true of the garden of Mr. and Mrs. Roach, Sr. We from the east all too rarely see the spurias on display at iris time; and it is unfortunate, our iris loss, that we have not learned to properly grow and bloom the varieties that are available today. Whatever the reasons for the eastern irisarians' failure to bring out the best that is the modern spuria—and those reasons are possibly only a better understanding of the plant's requirements—one is immediately aware upon viewing them in a locale where they do wonderfully well that their graceful wax-like flowers, either brilliant selfs or unique blendings of one or more colors, are not only a definite asset to the garden scheme-of-things, but the ideal flower for cut use. Yes, such bloom of spurias was new to us, and since the opportunity was now present to learn more about them, we did so—and found ourselves aided and abetted in this cause by a very down-to-earth and kind gentleman by the name of Mr. Walker Ferguson, whose spuria originations YELLOW WINGS, an intense yellow; WAKEROBIN, a fine white and the recipient of the Eric Nies Award in 1966, and CONTRADICTION, a yellow webbed violet, we saw often and in many California gardens.

In the three days spent in Southern California, we were to come to know Dr. Clarke Cosgrove's home and garden as that place where we could leisurely at some hour of the day enjoy the many irises grown there in a way similar to the way we might enjoy our own iris gardens at home—noting what had come into bloom in the morning, enjoying the softness of the many iris colors at dusk. And here in this San Gabriel garden, a very large garden, one containing not only irises but many other plants as well (And these too were of interest to us but are another story.), we enjoyed in our way all the flowers that were in bloom. It was here that we first admired Collie Terrell's very fine and large of flower-size yellow and white RETA FRY—an iris that was subsequently seen in many gardens and always putting on a fine display. Here too was to be found Mr. Babson's giant in every way, plant, stalk, bloom, by the name of EPIC, to say the least an impressive medium blue. And Mr. Babson's APROPOS, perhaps the finest iris yet originated by this hybridizer and one that never failed, whenever and wherever seen, to display all of the elusive loveliness that is its softly tinted orchid-lavender flowers of flaring form. APROPOS is one of those rare irises that one will enjoy most in one's own garden. It is not a flippant bit of color that catches the eye of those viewing irises on the run, as so many of us do at conventions, when iris touring, but a bit of color that was meant to be enjoyed at close-hand, in a leisurely and lived-with way. Equally good, and in a different garden way, is Jesse Wills' fine addition to the yellow amoena class, one known as GLACIER GOLD. In its respective color class, it is perhaps THE iris today, and well it might be, for not only does it have clean contrast of color, but good branching, bud count, and

very good garden value. It too has a "wear well" look about it, and with our iris gardens today being constantly in a state of change, where this variety of last year or the year before must make way for the newer addition and/or improvement, the "wear well" look takes on added importance.

The garden of Mr. and Mrs. Bernard Hamner in Perris is a finely landscaped one wherein iris, roses, and many perennials share one thing in common—the tender loving care given them by Bernard and Lois. The Regional event being held at this garden on the particular day that we visited was a Judges' Trainee one, and we, knowing that a similar event was to take place in our own region at iris time, because we again had a good display of spurias from which we could learn, seriously partook of this course. The specimens to be scored were selected from Mr. Hamner's seedlings and Mr. Ferguson's spuria seedlings on display in this garden. Our initial endeavor at judging a spuria was of course a failure, but we did learn—and that is the purpose of these required Regional events, to learn the good points of all irises, and to be taught, as one seedling of Mr. Hamner's taught many, that book rules alone do not always apply to irises and their makeup. There, as if daring anyone to score it, was a border-type seedling, one having close branching, few buds, open standards, all petals laced—a seedling that would have scored nothing but which in itself was an utterly charming laced pink which in a clump would have been an asset to any iris garden. It broke every rule in the book, and made up for those broken rules by having personality and in abundance. Perhaps this unknown iris had something to say to new and old hands at judging—and it said, "Improve me, learn about me, but never restrict the many variations in flower, form, and color that I can be." It's a thought.

There was not really enough time to do justice to this lovely garden, to Mr. Hamner's seedlings, particularly his seedling 65-65 X 100, a light blend of good form and great garden value. It was a day of meeting the iris people of Southern California, of enjoying our too short visit with them. It was a day when we again saw Mr. Ferguson's fine spuria seedlings on display, of which his seedling 65-5, a yellow webbed violet, again pleased us. It was here that we saw Gordon Plough's **FLAMING STAR** for the first time, and as we saw it in this garden it lacked nothing in form, though in later gardens where it was on display it did show open standards. Whatever its form, it is orange in color, an orange that shouts its color, and for those working this color, liking this color, it will undoubtedly prove to be a worthwhile addition to their gardens.

The time had come to leave Southern California, to head northward in the direction of Berkeley. En route we would quickly visit the gardens of Mr. and Mrs. Collie Terrell of Wasco, the gardens of Mr. Jim Gibson and Mr. William Schortman of Porterville, and lastly the garden of Mr. Sanford Babson of Visalia. We knew that our visiting time in each garden would be limited; yet en route to these gardens we saw enough of beautiful California's countryside, farm areas, to wish ourselves back there one day.

The garden of Collie and Lillian Terrell is not the largest of iris gardens, but it is a garden wherein irises are all important, where Collie grows his seedlings, tests out his selections, and evaluates them against those best from other hybridizers. We did not know when we visited this garden that one of the originations born here, the iris **FLIGHT OF ANGELS**, would at

the end of the Berkeley meeting share the American Iris Society's President's Cup with a too little known, too overlooked, eastern origination by the name of CUP RACE. And when that sharing was announced, we had rather mixed emotions about it. We were happy for Lillian and Collie, and happy that a very good eastern iris had at long last come into its own, had not been overlooked, as it so easily could have been because of lack of distribution. We were not to see the very ruffled, very flared, white-white FLIGHT OF ANGELS in bloom at the time of our visit to the Terrell garden, but we caught it in bloom at Berkeley, at Melrose Gardens in Stockton, and we were not disappointed by Collie's selection.

Here again, and this time in its home garden, we saw the very good variety RETA FRY, one that has now made its way eastward and which performs equally as well here. Here too on display was Mr. Gordon Plough's very intense yellow introduction of this year, the variety HOT SPELL—tall, well-branched, flaring of flower form. We of Region 19 have always liked the garden capabilities of Dr. Knocke's SKYDIVA and here in the Terrell garden it was putting forth its usual overabundance of stalks and buds. It was in this garden that we saw Mr. Steve Moldovan's very blue-blue origination called HONESTY, a flower of only medium size but very clean in color—one perhaps for the front of the border. And we said hello again to Dr. Durrance's Denver hit, the variety AZURE APOGEE, the blue-white with the deep blue beard. And we left the Terrell garden hoping that time would see seedling T-65-53, a bright apricot and yellow blend, bringing further honors to this hybridizer.

Our number had grown to five—Mr. and Mrs. William Bledsoe had joined the traveling trio.

The bloom at the Gibson garden was past peak, but even so the blooms that were still there told immediately that the best of Mr. Gibson's plicatas have yet to make the pages of the catalogs. Here one found plicatas of every color, all in modern iris dress, with some intense of color, others delicate in their markings. Here were found laced plicatas, and anyone visiting this garden at the time that we did could not forget seedling 4-5-D, a large but laced variegata; certainly a departure from the norm in this color pattern. Jim Gibson's program for improving the plicatas is an extensive one, and the bulk of the seedlings in this hybridizer's garden would enhance any garden, but only a few from each crop find their way into Mr. Cooley's catalog. Perhaps time will see seedling 27-5T making its debut—a pink plicata that appeared to be a step forward.

Here too in this garden were many of the introductions of others. The very blue and rounded of petals variety GERTRUDE WISTER, an introduction of Catherine and Kenneth Smith, was showing up well here, as was Mr. Gaulter's LAURIE. And Schreiner's STEPPING OUT, improvements of which we had noted in the Gibson seedling beds, and one of which we were to note in a garden where plicatas are not the main objective of the hybridizer.

It was on to the garden of Mr. Bill Schortman, only a short distance away from the Gibson planting. Bill greeted us, and we then wandered among the plants, first noting two very good border irises of Mr. F. E. Hutchinson of San Leandro, namely HOB NOB, a definite purple and white amoena, and seedling 62-190, a pink amoena—both intrigued me by their potential. Here on display and in good bloom was a long row of Mr.

Schortman's blue introduction of the year, the very blue of round petals, flaring form, known as BLUE FAREWELL, as well as the aptly named fancy known as OP ART. And a new Schortman seedling, a ruffled and fluted white, which looked very impressive.

After a few wrong turns, and even a stop at a home we believed to be the home of Mr. Sanford Babson and which proved not to be even though we were walking its grounds looking for the irises, we arrived at the Babson place—the one that did have irises. And there, amid the constant buzzing of bees making their way among the orange trees, were the irises; the large and always wide of petals flaring to semiflaring blues and whites; the muted blends as typified by COMMENTARY; the many and various products of wide color breeding which in Mr. Babson's hand has resulted in some new and very different irises, yet irises that are good irises.

Here we again saw the variety CAMBODIA, one that is perhaps described as a larger and more intense-of-color COMMENTARY, and perhaps more rounded of form. And we noted for the first time here the iris TAMBOURINE, an iris that is scheduled for introduction in 1969, and one that appears to be a worthy addition to the bicolor class, an iris of full rounded form having antique-gold standards and falls of shades of brown and purple. AD ASTRA, a tall, regal, iris, well-branched, and with flowers of good width and flaring form, finished off in colors of white trimmed yellow. Another that has the "wear well" look, which is capable of replacing in many gardens other varieties having a similar color make-up. And for the front of the border the iridescent and pretty variety known as CONFECTION. There are many Babson irises yet to come, and many will be the interesting and very good blends for which he is today noted, as they will be the improvements in white and blue that began with the variety GOODNESS. And we who first viewed the plicata seen in the seedling row this season hope that in time seedling R-10-16 will be introduced, for here is a STEPPING OUT child that is utterly different, that brings to the plicatas width of petal not known to them before, falls that flared horizontally despite their great width, and standards that hold themselves tightly. I have never seen an iris flower that had better proportion, more personality, than this one. It was time to leave the Babson garden. It was time to head toward Berkeley, to see more of California where irises are grown and bred well.

AZURE APOGEE

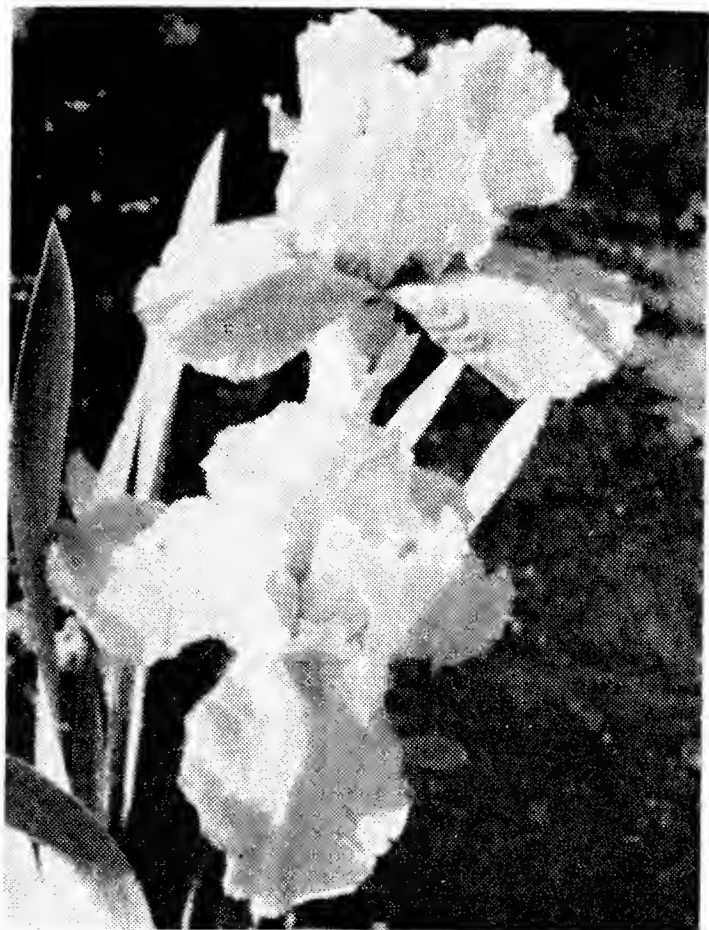
President's Cup — 1967

Limited stock available this year — \$25.00 each

Long's Gardens

P. O. Box 19

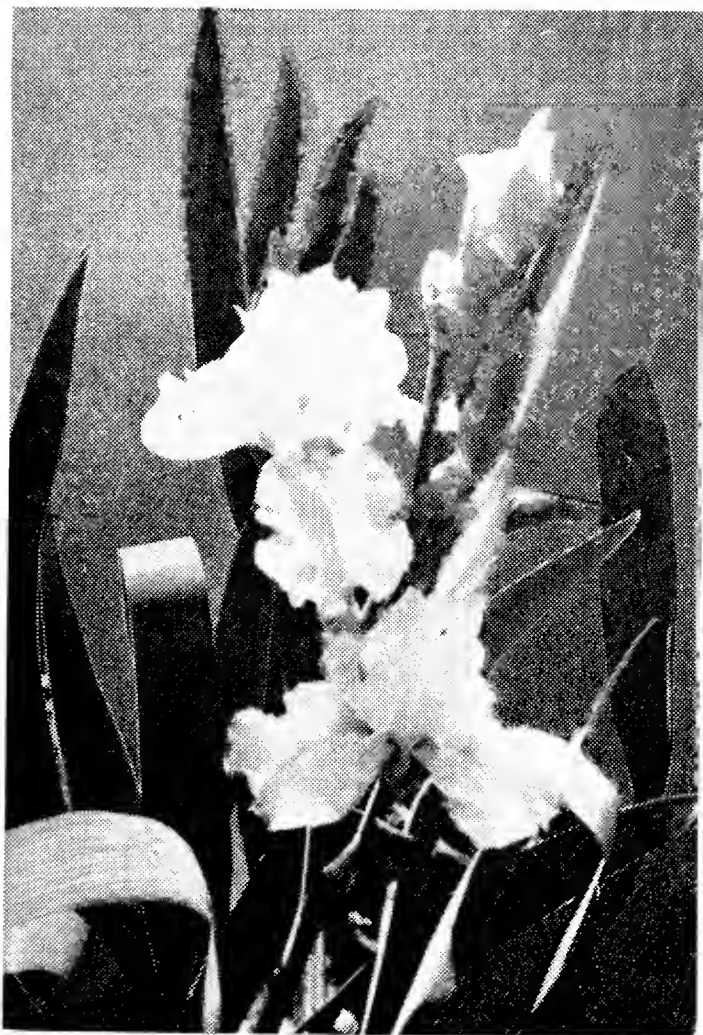
Boulder, Colo. 80302



FLAMING STAR Plough '67
(Photo by Kuesel)



CLOUD CREST B. Jones
(Photo by Kuesel)



MEDITATE Ghio '67
(Photo by Kuesel)



DUSKY DANCER Luihn '67
(Photo by Kuesel)

COLLECTING IRIS ANTIQUES AND ARTIFACTS

ALETA EGGLE

At the time I started growing irises, I was collecting salt and pepper sets and handkerchiefs if they had large flowers on them. When I got the first iris handkerchief, I quit all other flowers and looked only for those with irises on them. After receiving an iris greeting card, I began to look for iris greeting cards.

For a few years that is all I collected. Then my sister sent me a colored advertisement that showed imported Belgian linen tablecloths in three different colors of irises. I ordered the rose colored tablecloth and two smaller lunch cloths, with the irises colored purple.

As soon as I got the tablecloth, I wanted iris dishes, and went to all the regular places that sell chinaware. But I was unable to find the iris pattern. Then my sister sent me a plate with one large purple iris on it, which she had found in a Thrift Shop. But this was the only one they had. Later, I discovered that it was about impossible to buy a full set of dishes, since these are antiques, and one has to buy them piece by piece, wherever one can find them—antique shops, Thrift Shops, and second-hand stores.

Later I found a Goofus Glass pickle dish, and I carried this around for a year, showing it to dealers, and telling them I'd like a set of this. I didn't know that it was pre-Carnival, and very hard to find.

At another shop, we found a cake set, one large and six small plates, hand painted with brown irises, from Austria; and in all of our collecting, we have never found anything more beautiful than these. Since this was my first antique, it was a great shock to pay \$25.00 for the set. We paid \$20.00 for our first red-label R. S. Prussia plate. This has the iris in the chinaware itself; but the artist painted other flowers on it, in this case orange poppies on a blue background.

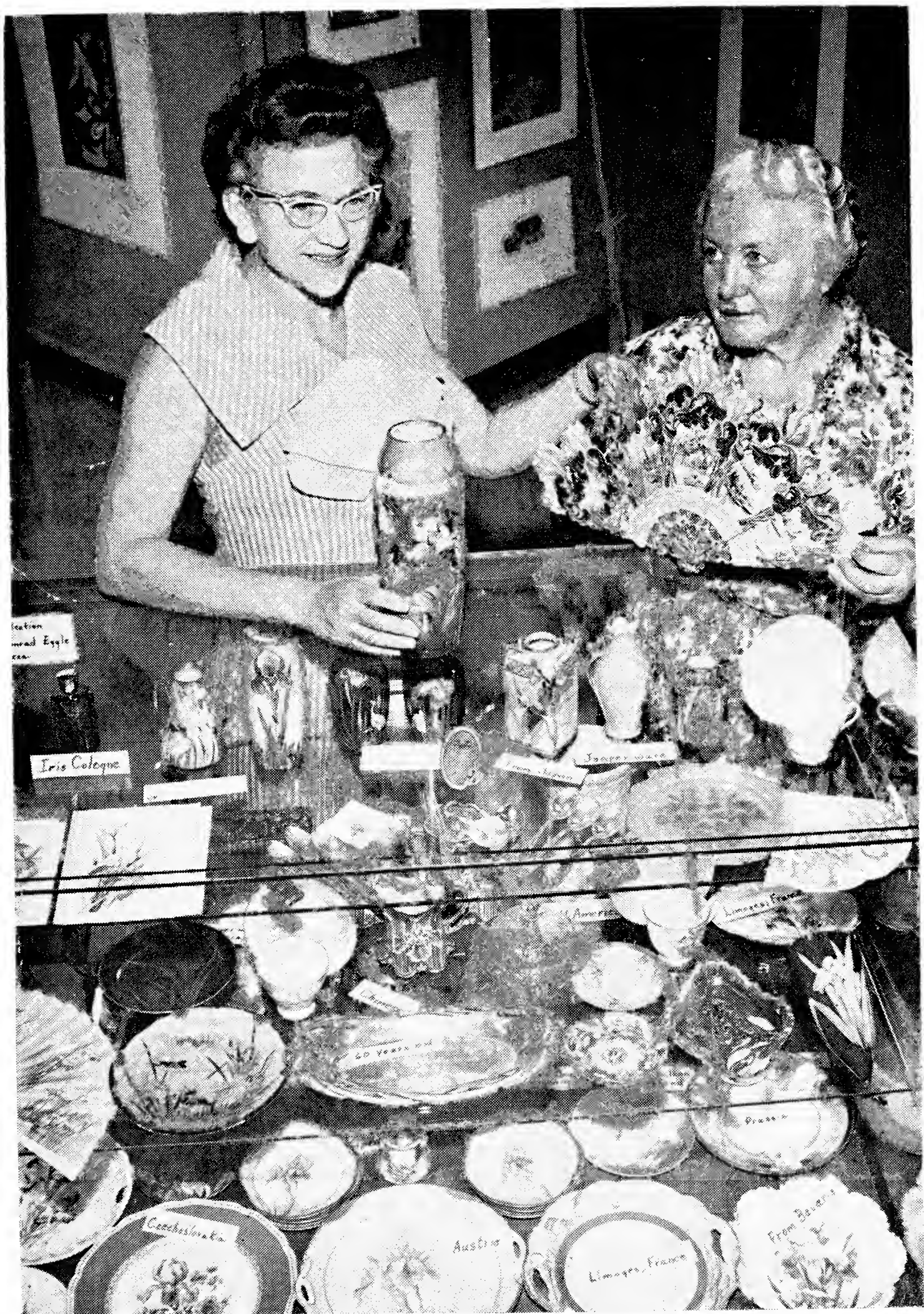
Four years later, our second R. S. Prussia plate cost us \$35.00, almost double the first. It is decorated with pink roses. We hope eventually to find four more to complete the set. Bowls also are made with irises in the chinaware and painted with all manners of other flowers.

We have fancy plates from almost all European countries, some that disappeared after World War II. Most all famous names in china, glassware and silverware, have used the iris motif at some time or other in their history.

We have a bedspread, era 1915, white brocade; two quilts; six fans; vases; jewelry; and five sets of dishes. Once you start this quest for iris items and let the dealers know what you want, there just is no end to the beautiful things they can find for you.

Now I do not limit my collection to antiques, but also collect artifacts, which are items not old enough to be considered antiques. There are so many people interested in collecting that we were able to start three Round Robins for collectors of antiques and artifacts.

I collected a full set of "clear edge" Herringbone dishes; but when my husband saw the orange which was finished in Carnival Glass style (This Carnival Glass has an acid poured over it that creates an iridescence not



found in clear edge.)he preferred this, so now we have two sets of Her-ringbone.

I feel sure that you will get a big laugh out of our experience in trying to buy an iris table. In 1967 we went to the Veteran Outlet Store in Stockton, and there in the window was a lamp table with carved iris legs. I almost dropped dead from excitement. In this store anything that is antique or a collectors' item is placed in the window and sold at 9:00 a.m. the first day of the next month. I was told that the value was \$50.00, and I offered a check, but they refused to take a check. So before the first day of the month, we withdrew \$50.00 from the bank and appeared at the sale. But the table sold for \$59.95, and we had quite a time making the balance between ourselves. In fact, the manager finally took a check for the balance we could not scrape up in cash. Three months later in Lodi, Calif., we found another iris table about library table size. We finally bought this also.

That is the romance of collecting. For fifteen years we did not know there was such a thing as an iris table, and in three months we found two.

Let me give you a warning. As you go to antique shows and shops, you will buy items that are not in the iris motif; and you will find yourself with three or four different collections going at the same time. Iris still is our Number One hobby, but now we have other items.

1970 AIS CONVENTION IN NEW YORK

WILLIAM H. PECK

Empire State Iris Society will be host to the 1970 Convention marking the 50th Anniversary of the founding of AIS at the New York Botanical Garden in 1920. Convention headquarters will be at the Statler-Hilton Hotel, on New York City's 7th Avenue at 33rd Street. Some may remember this as the Pennsylvania Hotel of former years, where Benny Goodman and others became famous with their big bands. Across the street just reaching completion above the Pennsylvania and Long Island Railroad terminals stands the exciting complex, a building since 1963, known as the Madison Square Garden Center—combining a 29-story modern office building and circular sports, entertainment and convention center.

This area was selected for many reasons—the Statler-Hilton's reputation as a favorite convention hotel, the great improvements in the neighborhood underway and planned, its convenience for Pennsylvania Railroad travelers, its proximity to all City transportation facilities, to Times Square and the theatre district, to Macy's and Gimbel's for the shoppers. Last but not least—because our busses will have relatively short trips to and from the Lincoln and Queens Midtown Tunnels and the expressways which lead to the gardens we will visit in the suburban areas.

Choice of this centrally located headquarters has made available a wide choice of interesting gardens for our tours since we can reach the suburbs in all directions with a minimum of mileage. It will also place our members right at the heart of New York City where they can take advantage of its many attractions for visitors during off hours.

Tentative reservations have been made for the period May 28 (Thursday) to May 31 (Sunday). With the experience of the 1966-67 seasons in mind similar space for a week later is also being held pending a final decision.

The tours will include the New York Botanical Garden (in the Bronx) where the iris gardens are already being updated in anticipation of our visit. Many irises of the 60s have been donated by area members this past summer. Space is still available for additional plantings and it is hoped that others in Region 2, perhaps also neighboring Regions 1 and 19, will help by sending or delivering what they can spare of their better varieties of recent years. A list of what has already been donated will be furnished upon request to the writer.

Any irisarian in our vicinity during iris season will want to visit the famous Presby Gardens across the Hudson River in suburban Montclair, New Jersey. So a stop will be made there. Region 19 is also lending us Fred Knocke's magnificent garden, a high point in the two conventions staged by Region 19 in the last decade. There is general agreement that three visits to these two gardens in ten years are still not enough.

Back in our own New York State, tentative plans call for visits to Catherine Smith's lovely home in Staten Island, to the Long Island gardens of Harry Kuesel, Martin Viette Nurseries and Bill Peck, to Fred Cassebeer's over in Rockland County, to the newly landscaped Westchester County home of Paul and Louise Watts, whose garden in Illinois was a feature of the not-so-long-ago Chicago convention.

Region 1 will be represented by Bill Thomson's garden near Stamford, Connecticut, in which arils are featured; also Ed Stretcher's fascinating place beside Long Island Sound in Stamford.

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beard. \$25.00

Show schedule covers or covers for programs and yearbooks. Duplicates of January and April 1968 Bulletins, with wording. Ten cents each. Order from American Iris Society, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

These Are The Basics

GLENN VIEHMEYER

If an iris grower, or any grower of living things, is to achieve competence he must know the basics that determine if life can exist and how it exists. He needs to know at what level it can live and flourish, and at what level it dies. He must know everything possible about the species he works with; its origins, its preferences, its relatives, its life cycle. He must adapt the environment in which he grows to the needs of the plant or animal he grows. This is basic.

The cultivars we grow for pleasure or profit are products of man and his skills. When, for example, the crosses between the iris sub-genera *Pogoniris* and *Oncocyclus* were made a whole new 'grab-bag' of possibilities was opened to the breeder. Unfortunately the iris breeder, (and this is true for all species over all time) did not and could not take full advantage of the breakthrough. Had the work been done in different climates and by different breeders there would have been as many directions as there were climates and breeders.

In this discussion of basics I hope you will read with the understanding that this is what they are—BASICS. They are abstractions until you apply them; until you use them as a base upon which you will build from your knowledge of the family, genus, species and strain or cultivar with which you are working.

In this discussion of Basics there is no attempt toward application. Application is your job. Success rests upon your knowledge of the material you are growing and meeting its basic needs. Good growers don't happen; they result from a combination of knowledge, experience and hard work.

The following discussion is of value to you only when you apply it with knowledge of the environmental needs of the plants with which you work.

THE BIG THREE OF PLANT GROWTH—

Light, Temperature, Moisture.

BASIC PRINCIPLES:

- I. For every plant there is a range of light, of moisture, and of temperature at which that plant will live and grow.
- II. Within that range of light, moisture, and temperature there is an optimum at which that particular plant will grow best. **THIS IS NOT THE SAME FOR ALL PLANTS.**
- III. All three, light, moisture, and temperature, must be at optimum level if the plant is to reach cultural perfection. As conditions for any one or any combination of these three moves away from optimum the plant suffers and you cannot expect to produce exhibition bloom. Too much or too little of any of the three and the plant dies. These effects are presented in tabular form. In each case the scale runs from too much through optimum to too little.

TABLE 1 — LIGHT

4. Light too intense; the plant dies.

3. Areas of dead tissue appear in the foliage.
2. Evidence of chlorophyll destruction; foliage becomes pale.
1. Internodes become shortened; the plant is dwarfed.
0. This is the optimum at which the plant gives its best performance as far as light effects are concerned.
1. Internodes elongate and stems weaken.
2. Leaf blades become thinner and have greater area.
3. Leaves become paler, reduced in size, and the stems weaker; flowering ceases.
4. Light intensity too low; the plant dies.

TABLE 2 — TEMPERATURE EFFECTS

3. Temperature too high; the plant dies.
2. The plant wilts and foliage burns.
1. Leaf area reduced and leaves thickened.
0. Optimum. Here is where the plant does the best (Exhibition material).
1. Rate of growth is reduced as the temperature is reduced.
2. Growth stops; plant becomes semidormant; may form rosettes.
3. Too cold; the plant dies.

TABLE 3 — MOISTURE EFFECTS

4. Too dry; the plant dies.
3. Leaf margins burn; leaves begin to fall.
2. Wilts during the day.
1. Foliage becomes dull and loses luster.
0. Optimum moisture is where the plant does best.
1. The rate of growth slows.
2. Leaves become pale; the plant shows symptoms of nitrogen and oxygen starvation.
3. Foliage becomes yellow; leaves start falling; unthrifty.
4. The plant drowns.

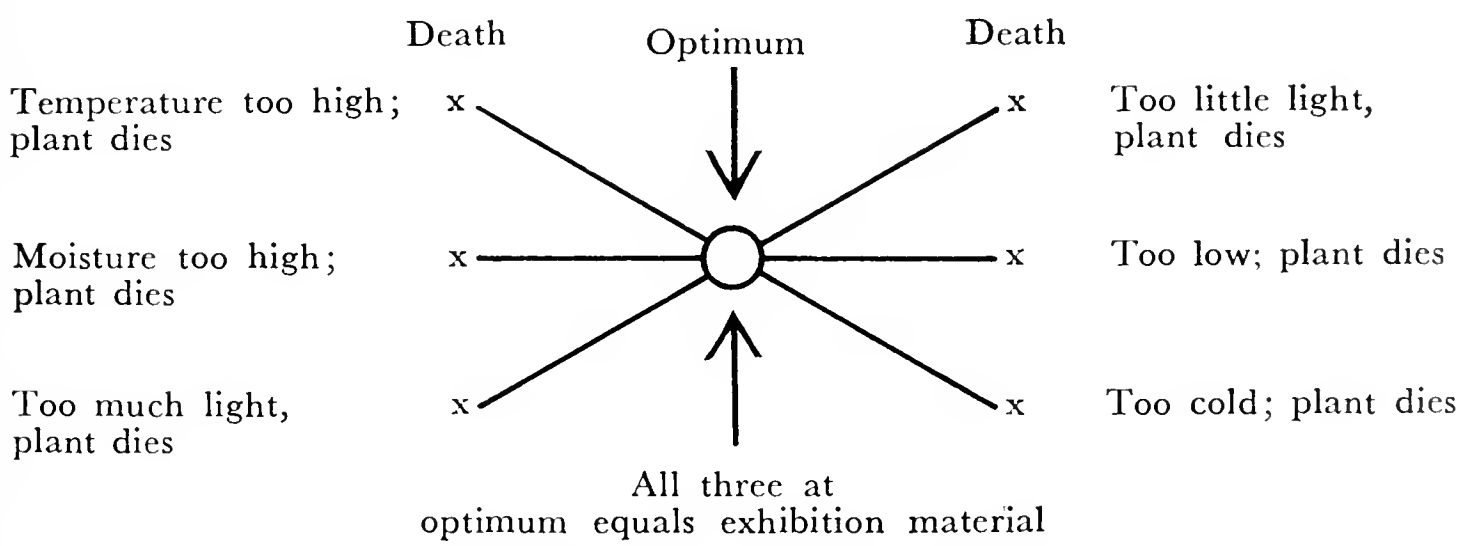


FIGURE 1. LIGHT, MOISTURE, TEMPERATURE, RELATIONSHIPS.

THE BIG THREE OF PLANT NUTRITION

These are NITROGEN symbolized by N, PHOSPHOROUS by P and POTASH by K. In the analysis stamped on every container of fertilizer that you buy these three are always **in the order given above**, Nitrogen, Phosphorous and Potash N.P.K. Remembering the order is important for the names or symbols may not appear and container may be stamped with a series of numbers which tell the percentages of available fertilizer elements(s) continued in the mixture. Thus, if the container bears the legend 10-8-5, the fertilizer contains 10% N, 8% P, and 5% K. If the legend is 0-46-0, it is treble-superphosphate with 46% phosphorous and no nitrogen or potash. Memorize these facts; you will need them when you buy fertilizer.

Roles of the Big Three in Plant Nutrition

NITROGEN: Prompts vegetative growth and consequently plant size and vigor. Too little N is evident if the foliage is pale green and the lower leaves tend to dry and drop. Extreme N deficiency symptoms are yellow foliage and cessation of growth. Too much N results in soft lush growth and very dark color. Excessively heavy rates burn and kill the plant.

PHOSPHOROUS: Promotes early flowering and fruiting. Too little P slows growth and time of flowering and fruiting. Phosphorous starvation is often accompanied by purple pigment in the foliage. Excessive P may be toxic, but the rate of application would have to be very high.

POTASH: Produces stem strength and sturdiness. Low levels of potash result in weak stems. Excessive rates are toxic to plants. (Most great plains soils do not require K.)

Like the big three of plant growth the big three of plant nutrition must be in balance. If any one of them is not present in sufficient quantity you cannot get optimum plant development. Without good plants you do not get good flowers and you do not win prizes in horticulture at your flower show.

MINOR ELEMENTS

These also are called trace elements and are essential to plant growth. They are called minor elements or trace elements because the amounts a plant or an animal requires for good growth is minute. Fortunately, most of our soils are well supplied with such elements as copper, magnesium, manganese, calcium, boron, and other trace elements, but it should be noted that in some areas soils show a deficiency of such elements as iron and zinc. These are essential to plant growth but time and space will not permit discussion of an immensely complex problem.

THE LIVING SOIL

A. Soil Classification. The three great classes of soil are sand, silt, and clay. They may appear in any degree of purity or in any kind of mixture. In actuality they often are mixed with each other, and with various amounts of the organic matter we call humus.

Sands, silts, and clays each have distinctive characters that make them distinctive as far as the growing plant is concerned and as far as you the gardener are concerned. They are classified by the size of the mineral particles of which they are composed. Some of the characteristics of each of them are given below.

SANDS—1. They are highly permeable to air and water. 2. They are, with few exceptions, well drained. 3. They are usually low in organic matter. 4. They do not heave with repeated freezing and thawing. 5. They have low water holding capacity and tend to be droughty.

SILTS—1. These are medium textured soils, quite permeable to air and water. 2. They are ordinarily well drained. 3. They usually are medium to high in organic matter. 4. Winter heaving is not uncommon, especially in those having a high percentage of clay. 5. Because of their good drainage, high water holding capacity and fertility, silts are among our best garden soils.

CLAYS—1. Clays are slowly permeable to air and water and often form clay-pans that are impermeable to both. 2. Clay soils become waterlogged if watered carelessly and if provision is not made for drainage. 3. Clay soils 'puddle' if worked too wet. Puddled soils are impermeable to air and water and poor for plant growth. 4. Good clay soils are excellent garden soils if properly handled. They do heave with repeated freezing and thawing and require careful handling.

B. The organic component of the soil. Without organic matter soil becomes merely crushed rock of greater or lesser degrees of fineness and probably should not be called soil at all. The fraction of the soil that we call humus is perhaps the most important soil ingredient, for it is largely responsible for the soil being a good habitat for plant roots.

Humus has the following values in the soil: 1. It improves the drainage of clay soils and increases the waterholding capacity of all soils. 2. It increases the permeability of clay soils to both air and water. 3. It provides limited amounts of both minor and major nutritive elements. 4. It increases the tilth of the soil and makes it friable and easily worked.

C. Sources of organic matter. Any and all kinds of plant and/or animal remains can become a part of the soil. Actually the organic fraction of soil is mostly vegetable in origin. This soil fraction is the result of raw vegetable and animal material being decomposed by the action of micro-organisms that swarm in the soil, water, and air. Unlike the mineral fractions of the soil, organic fractions can be destroyed by carelessness on the part of the gardener.

Humus is partially decomposed vegetable and/or animal matter; and if decomposition continues, it is resolved into its component elements. Indeed, this final breakdown of organic matter is a continuous thing, and the organic fraction of the soil must be continuously renewed if we are to maintain the fertility of our gardens. Carelessness on our part will accelerate humus losses. In nature a blanket of decomposing organic protects the lower layers from the action of sun and air. Under cultivation the insulating blanket is lost and oxidation proceeds unhampered.

Some of the best sources of organic material are: 1. First and best are the animal manures, either raw or processed. 2. Next in order are the products of the compost pit. 3. Mulches can provide organic matter, but they must be handled properly. Where they are used it is necessary that additional nitrogen be supplied to replace that tied up by microorganisms.

D. Soil organisms. Soil is not a dead, lifeless thing. That spoonful of soil you hold in the palm of your hand may harbor more living things than there are people in the State you call home.

Some of the organisms found in or affecting the soil are: 1. Burrowing animals. 2. Insects including earthworms and similar organisms. 3. Fungi. 4. Bacteria.

The first two groups are responsible for moving soils from subsoil to surface and can have important effects upon aeration and water infiltration.

The last two are prime agencies in the conversion of raw organic materials into humus.

In all groups there are organisms that are beneficial and those that are detrimental. For example, grasshoppers may eat your plants while bees fertilize flowers to produce strawberries, or some bacteria and fungi cause plant diseases, while others break down raw organic material into a form that plants can use.

If you, as an exhibitor, are to win prizes at a horticultural show, you must learn to recognize and prevent diseases in your plants. Diseased plant material is penalized by judges and is unlikely to place in a show.

It cannot be overemphasized that prevention of both disease and insects is preferable to attempting to control either after an infestation is established. Prevention is particularly important in dealing with plant disease. Most disease organisms live inside the plant and you cannot reach them with your chemical control.

Practically all plant diseases, except soil borne ones, germinate on plant surfaces and enter the plant body through stomata or through the epidermis. If plant surfaces are covered with a chemical that kills spores you will prevent infection.



CELEBRATION Ghio '66
(Photo by Kuesel)



ROYAL HERITAGE Luihn '68
(Photo by Kuesel)

THE AMERICAN IRIS SOCIETY

July 1, 1968

Dear AIS Member:

As the terms of office of four members of the Board of Directors expire each year, four are elected to take their places. According to the bylaws of the Society, nominations for Directors are made by the Board and presented to all members before August 1 of each year. At the Board of Directors meeting in Berkeley, California, the following nominations were made:

Mr. Earl T. Browder

Mrs. C. E. McCaughey

Mr. Thomas E. Jacoby

Mr. Ira E. Wood (renominated)

Each of the nominees has agreed to serve. They were selected because of their qualifications and geographic location, and each has served the Society well in the past in various positions.

According to the bylaws, additional nominations may be made by any twenty-five members, of whom not more than twelve are from any one Region. Such additional nominations must be mailed on or before September 1 to the Executive Secretary, Mr. Clifford W. Benson, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

If additional nominations are made in this manner, a ballot on which is listed the names of all nominees will be issued to the membership on or before October 1, and must be returned by the members on or before November 1 to the Executive Secretary.

If there are no nominations in addition to those made by the Board, its nominees will be declared elected and the issuance of a ballot to the membership will be omitted, as provided by the bylaws.

Sincerely

HUBERT A. FISCHER, *President*

THE AMERICAN IRIS SOCIETY

Favorite Guest Irises

One hundred forty-six judges from 28 states sent in ballots on guest irises at the Berkeley meeting. These irises had been registered, had not won an HM, and were enrolled by the hybridizer with the Secretary.

<i>Variety</i>	<i>Votes</i>	<i>Originator</i>
DUSKY DANCER	97	Walt Luihn
SHORT STORY	64	Keith Keppel
PUNCHLINE	58	Gordon W. Plough
BARCELONA	51	Opal L. Brown
FLAMING STAR	45	Gordon W. Plough
STUDY IN BLACK	42	Gordon W. Plough
FLAME AND SAND	41	G. A. Carlson
SEASIDE	41	Opal L. Brown
CALIENTE	39	Walt Luihn
MUSIC HALL	36	Mrs. J. R. Hamblen
CHERUB CHOIR	34	Glenn F. Corlew
VASHON	33	Gordon W. Plough
LAKE WASHINGTON	32	Rex Brown
TUXEDO	30	Schreiners
GLACIER SUNSET	29	Opal L. Brown
PINK TAFFETA	27	Nathan Rudolph
PINK FRINGE	26	Nathan Rudolph
ROYAL TOUCH	26	Schreiners
BRIGHT BUTTERFLY	24	Bennett Jones
PINK HORIZON	24	Schreiners
POINT CLEAR	24	Cora May Pickard
KIMZEY	23	Glenn F. Corlew
CHIEF MOSES	22	Gordon W. Plough
HEAVENLY PINK	22	Rex Brown
INTEGRITY	22	Ferris Gaskill
MEDITATE	21	Joseph Ghio
BOTANY BAY	20	Bennett Jones
CRYSTAL BLAZE	20	Nathan Rudolph
EVE	20	Georgia M. Hinkle

PRESIDENT'S CUP

LAURIE

Larry Gaulter

Franklin Cook Memorial Cup

CUP RACE

FLIGHT OF ANGELS

tied

Stedman Buttrick

Collie S. Terrell

AWARDS OF THE AMERICAN IRIS SOCIETY, 1968

THE DYKES MEDAL

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
STEPPING OUT	Schreiners	272
<i>Runners-up</i>		
ULTRAPOISE	Mrs. W. E. (Luella) Noyd	45
SKYWATCH	C. W. Benson	34
ORANGE PARADE	Mrs. J. R. (Melba) Hamblen	27
ESTHER FAY	Orville Fay	26

THE COOK-LAPHAM BOWL

(Best red iris which has not previously won this award)

JEWEL TONE	Schreiners	65
<i>Runners-up</i>		
BANG	Tom Craig	49
MAIN EVENT	Les Peterson	40
CAPTAIN GALLANT	Mrs. Hazel Schmelzer	25

THE CLARA B. REES CUP

(Best white iris which has not previously won this award)

CELESTIAL SNOW	Bro. Charles Reckamp	80
<i>Runners-up</i>		
PIETY	Dr. C. E. Branch	67
ARCTIC FURY	Clifford W. Benson	47
CUP RACE	Stedman Buttrick	38
WHITE PRIDE	Dr. C. E. Branch	34

THE COOK-DOUGLAS MEDAL

(Standard Dwarf Bearded)

GREEN SPOT	Paul Cook	65
<i>Runners-up</i>		
BRASSIE	Mrs. F. W. (Bee) Warburton	63
EASTER HOLIDAY	Dr. J. R. Durrance	57
ZING	Mrs. Roy (Mildred) Brizendine	51
LILLI-WHITE	Walter Welch	45

THE HANS AND JACOB SASS MEDAL

(Intermediate Bearded)

MOONCHILD	Tom Craig	99
<i>Runners-up</i>		
LIME RIPPLES	Mrs. Rex P. (Alta) Brown	74
DRUMMER BOY	Schreiners	70
CUTIE	Schreiners	57
CLOUD FLUFF	Mrs. R. E. (Wilma) Greenlee	43

THE KNOWLTON MEDAL

(*Border Bearded*)

FRENCHI	Bennett Jones	91
<i>Runners-up</i>		
BAYADERE	Mrs. Tom M. (Opal) Brown	72
BLUE MILLER	Tom M. Brown	64
LITTLE REB	Mrs. Roy Brizendine	39
FAIRY JEWELS	Mrs. J. R. (Melba) Hamblen	36

THE CAPARNE AWARD

(*Miniature Dwarf Bearded*)

SKY CAPER	Mrs. F. W. Warburton	30
<i>Runners-up</i>		
ABLAZE	Walter Welch	20
BLUE WHISKERS	Walter Welch	15
HEART'S CONTENT	Walter Welch	15

THE CLARENCE G. WHITE MEMORIAL AWARD

(*Arilbred*)

WEE SCOT	Stanley G. Street	58
<i>Runners-up</i>		
SAFFRON CHARM	Rev. D. E. Benbow	37
BETHLEHEM STAR	Mrs. Doris Foster	26
ROJO GRANDE	Eugene Sundt	26
LAHARA	Eugene Sundt	25

THE W. A. PAYNE AWARD

(*Japanese*)

To be announced in the October Bulletin

THE MARY SWORDS DEBAILLON AWARD

(*Louisiana*)

BLACK WIDOW	W. B. MacMillan	69
<i>Runner-up</i>		
KATHERINE L. CORNAY	Charles W. Arny, Jr.	7

THE MORGAN AWARD

(*Siberian*)

PIROUETTE	Fred Cassebeer	45
<i>Runners-up</i>		
MOUNTAIN LAKE	Charles E. F. Gersdorff	35
ROYAL ENSIGN	H. R. Hall	33
VELVET NIGHT	Mrs. H. L. (Margaret) Edwards	27

THE ERIC NIES AWARD

(*Spuria*)

DAWN CANDLE	Walker Ferguson	25
<i>Runners-up</i>		
BARITONE	Walker Ferguson	22
FLUTED BUTTERCUP	Tell Muhlestein	21

THE WILLIAMSON-WHITE AWARD

(*Miniature Tall Bearded*)

PEWEE	E. B. Williamson	61
<i>Runners-up</i>		
DESERT QUAIL	Earl Roberts	58
DAINTY DANCER	Mrs. Rex P. Brown	46

THE AWARD OF MERIT

(*Tall Bearded*)

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
GINGERSNAP	Schreiners	210
IRISH LULLABY	Steve C. Moldovan	186
LILAC CHAMPAGNE	Mrs. J. R. Hamblen	158
CHRISTMAS TIME	Schreiners	157
DEBBY RAIRDON	Mrs. Hilbert Kuntz	136
CAMELOT ROSE	C. W. Tompkins	129
BLUE PETTICOATS	Schreiners	128
MILESTONE	Gordon W. Plough	118
ORCHID BROCADE	Nathan Rudolph	116
FRONTIER MARSHALL	Schreiners	100
JILBY	Larry Gaulter	97
WENATCHEE SKIES	Mrs. Walter Noyd	93

Runners-up (sixty votes or over)

RADIANT LIGHT	Orville Fay	88
MAY MELODY	Mrs. J. R. Hamblen	85
APROPOS	Sanford Babson	82
DANCING BRIDE	Nathan Rudolph	78
SOUTHERN COMFORT	Mrs. W. J. Hinkle	70
HIGH LIFE	Schreiners	69
SWAHILI	Gordon W. Plough	69
CUP RACE	Stedman Buttrick	67
NIGHT SONG	Walt Luihn	66
TRITON	Dr. Odell Julander	66
GRAND ALLIANCE	Gordon W. Plough	65
GAILY CLAD	Mrs. Ralph (Jeannette) Nelson	63
LUNAR FIRE	David F. Hall	62
SEABORNE	Mrs. Ray Palmer	61
BILLOWING SAILS	Mrs. Ray Palmer	60
CHRISTIE ANNE	Larry Gaulter	60
ELLEN MANOR	Clarence J. Blocher	60
ROYAL TAPESTRY	Schreiners	60

THE AWARD OF MERIT

(*Standard Dwarf Bearded*)

GRACE NOTE	Mrs. J. R. Hamblen	95
CIRCLETTE	John E. Goett	58
JOY BRINGER	Mrs. Roy Brizendine	53
<i>Runners-up</i>		
RICKSHAW	Ben R. Hager	43
GOLD BUTTONS	Mrs. J. R. Hamblen	42
EYE SHADOW	Earl Roberts	42

THE AWARD OF MERIT

(*Intermediate Bearded*)

MAROON CAPER	Mrs. F. W. Warburton	55
BLUKEETA	Mrs. Wilma Greenlee	47
ARABI TREASURE	Mrs. Margaret Burnett	32
LE SABRE	Gordon W. Plough	32
SMALL RIPPLE	Mrs. J. R. Hamblen	32
<i>Runners-up</i>		
DARK EDEN	Mrs. Rex P. Brown	31
DILLY DILLY	Mrs. F. W. Warburton	29

THE AWARD OF MERIT

(*Border Bearded*)

PEBBLES	James R. Tucker	84
NATIVE DAUGHTER	Mrs. Walter Noyd	78
ROBBY	Mrs. J. R. Hamblen	62
<i>Runners-up</i>		
GLACIER BAY	Bennett Jones	56
LITTLE BOWKNOT	Lerton W. Hooker	55
LITTLE DUDE	Z. G. Benson	53

HONORABLE MENTION

(*Tall Bearded*)

DUSKY DANCER	Luihn	186
ROYAL TOUCH	Schreiners	117
AZURE APOGEE	Durrance	102
ETERNAL FLAME	Schreiners	100
AD ASTRA	Babson	84
BACCARAT	Gaulter	82
MUSIC HALL	Hamblen	77
FLAMING STAR	Plough	75
BARCELONA	O. Brown	64
TIJUANA BRASS	Schreiners	64
TINSEL TOWN	Tompkins	64
DREAM TIME	Schreiners	61

DIPLOMAT	Tompkins	55
HONESTY	Moldovan	55
SEASIDE	O. Brown	55
GLACIER SUNSET	O. Brown	54
MARQUESAN SKIES	Blocher	54
MINNESOTA GLITTERS	Bakke-Messer	52
PINK FRINGE	Rudolph	52
CHARMAINE	Hamblen	51
MARSHMALLOW	Olson	49
CRYSTAL BLAZE	Rudolph	48
ORANGE VISTA	Mayberry	48
HIGH SIERRA	Gaulter	46
SHORT STORY	Keppel	46
APRIL MELODY	Gibson	45
STARBURST	Tompkins	45
LAUNCHING PAD	Knopf	43
WHITE KING	Knopf	41
FANFARE ORCHID	B. Jones	40
JANNI	Hamblen	40
ARPEGE	Schreiners	39
BRIGHT BUTTERFLY	B. Jones	39
ROSES IN SNOW	Noyd	39
NIGHT HERON	Tucker	38
MASCARA	C. Benson	37
CANARY CADENCE	Gaskill	36
HALLELUJAH TRAIL	Tompkins	35
EVE	Hinkle	34
GINGERBREAD CASTLE	Tompkins	34
IMPACT	Kamps	34
JOLIE	Schreiners	34
VELVET BRASS	Tompkins	34
CHARM OF EDEN	Plough	33
PINK DIVINITY	Tams	33
GOLDEN OPPORTUNITY	Bledsoe	30
HEATHER HAWK	Gibson	30
NIGHTSIDE	Schreiners	30
SAPPHIRE FUZZ	Niswonger	30
TAFFY TWIST	Roe	30
WINTRY NIGHT	Pond	30
ED WATKINS	Watkins	29
MOST PRECIOUS	Plough	29
SUPERGLOW	Schreiners	29
HEATHER HALO	Hamblen	28
SILENCE	Tompkins	28
CRINKLED JOY	Schreiners	27
JAIPUR	Plough	27
MYSTIC MOOD	Ghio	27
SUTTER'S FALLS	Schreiners	26
ANGEL BRIGHT	Rees	25
CINNAMON MIST	Plough	25

CIRCLE D	C. DeForest	25
KIMZEY	Corlew	25
SILVER SKIES	Corlew	25
COOLHEAD	Tim Craig	24
CRYSTAL FLAME	B. Jones	24
NORTHERN AIRE	Goodrick	24
BUTTERSCOTCH RIPPLE	Hagberg	24
LIGHT TOUCH	O. Brown	23
STYLE MASTER	Tompkins	23
FLAMINGO DAWN	L. Peterson	23
GENTLE PERSUASION	Tompkins	23
LIME SHADOWS	Hooker	23
PRETTY POISE	Shoop	23
FIREBALL	Schreiners	22
POWER AND GLORY	Noyd	22
SAPPHIRE DREAM	E. Smith	22
FINAL TOUCH	Terrell	21
CHERRY MALOTT	Plough	21
IRENE NEECE	Muhlestein	21
KISS OF LEMON	Plough	21
PACIFIC WATERS	Tolman	21
TALENT SHOW	Plough	21
VASHON	Plough	21
SINGING PINES	Plough	21
ALASKAN SUNSET	Plough	21
BEWITCHED	Tucker	20
CHARLOTTE SAWYER	Van Valkenburgh	20
EL GRANDE AZUL	Tolman	20
GENTLE PRESENCE	F. Brown	20
INDIGO IMP	Elkins	20
INTEGRITY	Gaskill	20
IRISH CHARMER	Pickard	20
JUNE SYMPHONY	R. Brown	20
LAKE WASHINGTON	R. Brown	20
LASATA	Hinkle	20
MEDITATE	Ghio	20
OCEAN SHORES	Plough	20
POSTSCRIPT	Tompkins	20
RESTLESS WAVES	Tompkins	20
ROBIN REDBREAST	Gaskill	20
SECRET AGENT	DuBose	20
TONI MICHELE	Fail	20
THRUWAY	Knockp	20

REGISTRATION

Registration—\$3.00. Transfer of name to another cultivar—additional \$2.00. Introduction—free. J. Arthur Nelson, Registrar, 3131 North 58 Street, Omaha, Nebraska 68104.

HONORABLE MENTION

(Miniature Dwarf Bearded)

BLUE CAPERS	A. Brown	27
BUBALA	Gatty	23
PATSY JO	Kavan	17
SHAMROCK FAN	Mahood	17
DOLL DANCE	A. Brown	16
BLUE BERET	Roberts	14
FRENCH WINE	Roberts	14
LEMON DOLL	Warburton	14
NAVY FLIRT	Tutmark	14
LITTLE LENA	Bierman	11
PUSSYCAT	Schmelzer	10
ORCHID CHERUB	Mahood	8
LITTLE SMOOTHY	Carstensen	6
INK DROP	Tim Craig	5
IRISH WHISPER	Rosenfels	5

HONORABLE MENTION

(Standard Dwarf Bearded)

CHERRY GARDEN	B. Jones	70
QUAIL	L. Craig	48
REGARDS	Hager	47
BLUE MOSS	B. Jones	35
PLATINUM GOLD	Roberts	30
IRISH LILT	A. Brown	28
BLUE CANARY	Hamblen	26
DEIRDRE	Gantz	23
RED HEART	A. Brown	23
FRAN JENNINGS	Goett	20
PINK CUSHION	A. Brown	15
LACE CAPER	Warburton	14
MAY TROLL	Goett	13
PEPITA	Schreiners	13
LITTLE BLACKFOOT	M. Reinhardt	12
DAINTY ROYAL	Gatty	11
DESERT HAZE	Roberts	11
FRISKY	Schreiners	10
LITTLE NANETTE	Milner	10
MYRA	Greenlee	10
TWICE BLESSED	Dennis	10

HONORABLE MENTION

(Intermediate Bearded)

LIGHT CAVALRY	B. Jones	35
OHIO DEB	Dangler	27
PREAMBLE	Keppel	27
ANNIKINS	Warburton	23
ARCTIC NIGHT	A. Brown	21
JUNE PROM	A. Brown	19
RIC RAC	Plough	18
KONTIKI	Plough	14
SANDY CAPER	Warburton	14
PING PONG	Plough	14
COLORAY	Plough	12
RASPBERRY FLIP	A. Brown	12
BIXBY	Greenlee	10
ELFIN GOLDTONE	Roberts	10
FOREST NIGHT	Greenlee	10
FROSTY TOP	A. Brown	10
ROYAL EVENT	A. Peterson	10

HONORABLE MENTION

(Border Bearded)

BOTANY BAY	B. Jones	40
MISS RUFFLES	M. Wright	36
BABY SHOWER	Ghio	36
GEMINI	Knopf	21
BRIDE'S PEARLS	A. Brown	20
REDENYELLA	Pickard	17
BONE CHINA	Muhlestein	17
MIA MAID	Julander	15
KATE'S COUSIN	M. Brizendine	13
NEBRASKA CENTENNIAL	Wolff-Hildenbrandt	12
BIT OF PARADISE	Muhlestein	11
STAR CHILD	Hager	11
BUG'S EAR	Gibson	10
DIAMOND DUST	F. Brown	10
KNEE HIGH	Noyd	10
LITTLE ONE	Lyon	10
MONKEY BUSINESS	Scharff	10
ORCHIDS AND SNOW	Vallette	10
PAMELA KAY	Wolff-Hildenbrandt	10
PINK DARLING	A. Brown	10
TULE SPICE	Fail	10

HONORABLE MENTION

(Miniature Tall Bearded)

ICE FAIRY	Witt	36
DAINTY DAMSEL	A. Brown	18
PIXIVAR	Roberts	18
ROYAL THRUSH	Roberts	17
RING BEARER	P. Cook	12
ORPHAN ANNIE	Stephenson	11
SCALE MODEL	Hager	10
EN ROUTE	Hager	6
SCATTERED SHOWERS	F. Foster	6
PALE WINGS	Witt	5

HONORABLE MENTION

(Aril and Arilbred)

PERSIAN MARKET	D. Foster	20
DARK EYES	Rich	19
DOVE SONG	Flanagan	16
SILVER WEB	Gadd	16
SALPHIDE	R. Brizendine	15
ALMOST	Kellie	12
LAKE MATTAWA	Gadd	12
MOONSPOT	D. Foster	10
PROLIFIC	Clark	8
GOLDIANA	Sundt	7
MAGMA	Crandall	6
ARGYLL LASS	Street	5
ARIL BLACK	Willbank	5
DREAM STEP	Danielson	5
GATES AJAR	Plough	5
JUDEAN MOON	Clark	5
KALIFA KAN	Tim Craig	5
KELITA ZIPPORAH	Rich	5
PETIT POINT PINK	D. Foster	5
VANDAL	Crandall	5

HONORABLE MENTION

(Japanese)

To be announced in October Bulletin

HONORABLE MENTION

(Louisiana)

MAD CAP	David	8
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HONORABLE MENTION

(*Siberian*)

LIGHTS OF PARIS	Rich	50
DEWFUL	McGarvey	24
CLARET	Wiswell	6
SAPPHIRE BOUQUET	Wiswell	5

HONORABLE MENTION

(*Spuria*)

YELLOW WINGS	Ferguson	27
FAIRFIELD	Ferguson	17
STABILITY	Walker	16
SUSPENSE	Hager	16
GOOD THUNDER	Ferguson	13
FROST	Ferguson	10
IMPERIAL FLIGHT	McCown	10
BLUE SPIDERWEB	Ferguson	9
WESTERN LARK	Ferguson	9
BELISE	Simonet	8
IMPERIAL BURGUNDY	McCown	8
CANARY CAPRICE	McCown	7
FIREPLACE	Ferguson	5
IMPERIAL NIGHT	McCown	5

HIGH COMMENDATION

(*Tall Bearded*)

<i>Originator</i>	<i>Seedling</i>	<i>Votes</i>
Albright	12-60	5
Allen	CRYSTAL CANYON	5
Archibald	A-64-108	6
Babson	TAMBOURINE	11
	SHIP SHAPE	10
	R-68-10	6
Barrare	MAIDEN VOYAGE	11
Beard	64-12	8
Benson, C. W.	66-15B	13
	67-13A	9
	68-4	8
	68-52	7
Benson, Z. G.	SF 41-6	15
Bledsoe	66-3	5
	60-105	5
	67-16	5
	60-64	5
	60-41	5
Blodgett, R.	67-37	6
Brizendine, R.	B-39-64	9
Brown Czarina	E-9-1	7

Brown, Francis	63-13	7
	63-14	7
Brown, Opal	5-27A-65	10
	SKYVIEW	5
Brown, Robert	67-67	25
Brown, Tom	2-22K	6
Buckles	66-22	6
	66-20	6
	66-13	5
Corlew	302-5A	13
	339-5E	9
Dubes-Young	MY 61-71	5
English	62-82	5
Ewing	61-64A	5
Flanagan	61202-15	8
	61115-1	5
Gaskill	767-2	10
Gaulter	67-62	10
	66-46	5
	63-100	5
Ghio	64-35-F	5
Gibson	29-4A	6
Goodrick	66-67-14	8
Hamblen	H 63-23A	14
	TOUCHE	14
	H 63-9F	11
	H 63-8D	6
	H 61-117B	5
Hanna	REBECCA LYNN	5
Henkelman	No Bow Wow	8
	GOOD TASTE	5
Hinkle	X-5-10	9
Hoage	63-8	5
Hutchings	63-73C	5
Jensen	J-1-68	5
Jones, B.	868-1	9
	832-1	8
Julander	J-65-8	14
Keppel	CHARMED CIRCLE	12
	FOGGY DEW	6
	VAUDEVILLE	5
	64-37A	5
Knocke	K-97	14
Knopf	WEST COAST	6
Leavitt	BLUE CHALICE	7
Luihn	66-1	16
	66-22	15
	ROYAL HERITAGE	6
Lynn	65-1	8

Marsh	67-51	11
	66-52	7
	67-5	5
	67-30	5
Miller	66-10	6
Moldovan	66-23D	5
Muhlestein	275	5
Nearpass	4-66-17	5
Newhard	702	8
Niswonger	RASPBERRY RIPPLES	15
O'Brien, C.	65-03	5
Ohl	100-67A	7
Olson	66-5C	10
	66-1A	8
	67-14A	7
Palmer	39-65B	14
	BUTTERED POPCORN	10
	92-65P	8
	13-67A	7
	100-67A	6
	31-67B	5
Peterson	LP 64-03	5
Pickard	CANDY SWEET	14
	C 2610	5
Plough	SON OF STAR	5
Reinhardt, M.	66-33	5
Reynolds, H.	211-61	6
Reynolds, C.	75-64	11
Roberts	SPWR2	13
Roe	32-A2	5
Rudolph	64-32	13
	PINK BALLOT	6
	67-40	5
	66-25	5
	YELLOW CHIFFON	5
Rusk	PINK GALAXIE	8
Schliefer	61-31-M	5
Schmelzer	35-7-W14	5
Schortman	715-A	5
Schreiners	LIME FIZZ	17
	V-473-9	9
	W-593-B	8
	T-480AA	7
	T-652AA	6
	Y-243-F	6
	Y-243-F	5
Shcaff, Marilyn	62-62F	5
	CAMELIA	5
Sherrod	67-24-1	5
	67-6-6	5

Shoop	64-16	34
Spence	62-16-7A	12
	61-1-4A	5
Tallmon	T-65-02	7
Tams	T-16-67	6
Thomas	MISS SALTILLO	5
Tolman	61-26-1	7
	62-142-5	6
	60-103-1	5
Tompkins	OVERDUE	9
	65-53	5
Tucker	47L	10
	31A	7
	39	7
Wood	66-40	42
Yunker	78-A	7
Zurbrigg	65-41	5

HIGH COMMENDATION

(Standard Dwarf Bearded)

Greenlee	66-20	8
Hager	PEANUTS	6
Hanson, C.	CH-293	5
Jones, B.	M 176-1	8
Keppel	FINE PRINT	9
	FOOTNOTE	7
Kieferle	K 1004-68	7
Reath	A-6-64	6
Roberts	68-R-25	6
	68-R-24	5
	68-R-17	5
	68-R-10	5
	67-R-25	5
	67-R-11	5

HIGH COMMENDATION

(Intermediate Bearded)

Greenlee	ORANGE FLAME	5
Hamblen	H 9-163	8
Keppel	PALE CLOUD	5
Minnick	60-149-2	5
	M-49-1	5
Roberts	67-R-40	5

HIGH COMMENDATION

(Border Bearded)

Cook, P.	268	9
Ewing	63-29A	5
Hager	1869A	5

Hamner	STEPCHILD	5
Hooker	4625	5
	333	5
	66-3	5
Jaeger	66-1	9
Marsh	8366A	9
Palmer	LP-64-63	12
Peterson	156-68B	5
Reynolds, H.	63-24	6
Roach	65-39	7
Rudolph	62-16-4N	11
Spence		

HIGH COMMENDATION (*Miniature Tall Bearded*)

Minnick	M-59	5
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HIGH COMMENDATION (*Arilbred*)

Danielson	66-2	5
Peterson	LP 66-12A	8

HIGH COMMENDATION (*Louisiana*)

Army	ILA NUNN	7
	FAENELIA HICKS	7
	IRA S. NELSON	6
	COUNTERBAND DAYS	5
Granger	1-68-0	7
Holleyman	Pu-3-67	6
MacMillan		

HIGH COMMENDATION (*Siberian*)

DuBose-Hager	SB-9	8
McCord	62-50	6

HIGH COMMENDATION (*Spuria*)

Ferguson	66-4	10
	67-13	5
	66-8	5
Hager	S-279A	17
	S-245B	14
	PROTEGE	8
	S-302P	5

REGIONAL TEST GARDEN AWARD

Robinson, J. B.	7-66-2 (65-31)
Niswonger, Dave	18-66-106 (6-64)
Schirmer, Carl	18-65-132 (80-E)

Come As An Iris

MAY BELLE WRIGHT



Glenn Hanson as ORIENTAL PEARL



Frances Ehle as GYPSY JEWEL

Imagine arriving at an iris society meeting and finding the room full of kings, queens, witches, oriental potentates, and assorted weird characters! This happens annually to the members of the Twin City Iris Society (Minnesota). Of course, it is our *Come As An Iris Party*, which starts with a pot luck supper, for which the ladies bring the delicious food and the men pay one dollar. Each member, in costume, is given a number and a card on which to record his guesses as to what the others represent. There is much riffling through catalogs and check lists in an effort to find clues. Each one in costume (we have had up to seventy) is presented to the group, by number, and gives the originator and the year of introduction of the iris he portrays, plus any other clues he cares to divulge. When the guessing is completed, the correct answers are revealed by the contestants. A prize is given for the most correct guesses, as well as for the fanciest, most representative, most elaborate and most humorous costume.

A larger expenditure of time or money is not necessary. One of the cleverest in our group was simply a picture of F.D.R. pinned to a lapel, representing ELEANOR'S PRIDE. Another was a smock, completely covered with colored magazine pictures depicting MIXED EMOTIONS.

Some other ideas used by our group:

BRASS ACCENTS: A brass pin, earrings made from pennies, and an ax carried in the hand.

NEW ARRIVAL: A lady "doctor", dressed in white and a surgical mask, reached behind a chair and brought out a baby doll by the feet, and gave it a spank to make it cry.

COUNTRYSIDE: The costume divided right down the center; one side was half a straw hat, farmer mask, overalls and one farm shoe; the other side was half of a felt fedora, business suit, etc.

WITCHES' BREW: A witch carrying a can of Hamm's.

PALEFACE: A plastic pail with a face on it, worn as a hat.

SPRING CHARM: Just a small spring with a charm on it, worn on lapel.

IDAHO GOLD: A large potato wrapped in gold foil.

DEAR WALTER: A man whose own name is Walter wore antlers and a deer's tail, which was animated by a string held in his hand.

This type of party is a great ice-breaker and helps new members to relax and become part of the group. Who can stand in awe of an officer dressed as a hobo? He was TOBACCO ROAD.

The Williamson-White Award

Editorial Staff,

Median Iris Society

For Miniature Tall Bearded (Table) Irises

The table iris as a smaller bearded type came into being in the early 1930s when E. B. Williamson, of Bluffton, Indiana, his daughter Mary, and Mrs. Ethel Anson Peckham were attracted to these little fellows in the Williamson seedling rows. It was Mrs. Peckham who gave them the "table iris" name. In this first group were such now-familiar varieties as KINGLET, PEWEE, PLAYBOY, SISKIN, WARBLER, and CHEWINK. In addition, the Williamsons introduced DAYSTAR, NAMBE, and WIDGET during the 1940s.

This was the era of the big switch to tetraploid tall, and breeders in general were not interested in anything little; but as the '40s became the '50s the climate changed, and small irises were "in" again.

Revival of interest in the table irises came about largely through the efforts of Mrs. David K. White of Hemet, California. Alice White had been quietly collecting and working with table irises and registered her first two, SMARTY PANTS and ANGELITA, in 1949. In 1952 she ran a small notice in the AIS Bulletin, inviting like-minded people to join her in a Table Iris Round Robin. She struck a responsive note, and the first Robin soon took wing.

Mrs. White was for many years the guiding light in the development of these dainty small irises, and when they became one of the classes sponsored by the Median Iris Society, she served not only as Round Robin Director, but also as the Median Iris Society's Subsection Vice President for Miniature Tall Bearded Irises. It is a great pleasure to all interested in the smaller bearded irises that the newly named award, which is the equivalent of the Award of Merit for tall bearded irises, should commemorate E. B. Williamson and his daughter, Mary, who carried on his work for many years; and also our friend Mrs. David K. (Alice) White, who so ably started the work of rescuing them from oblivion.



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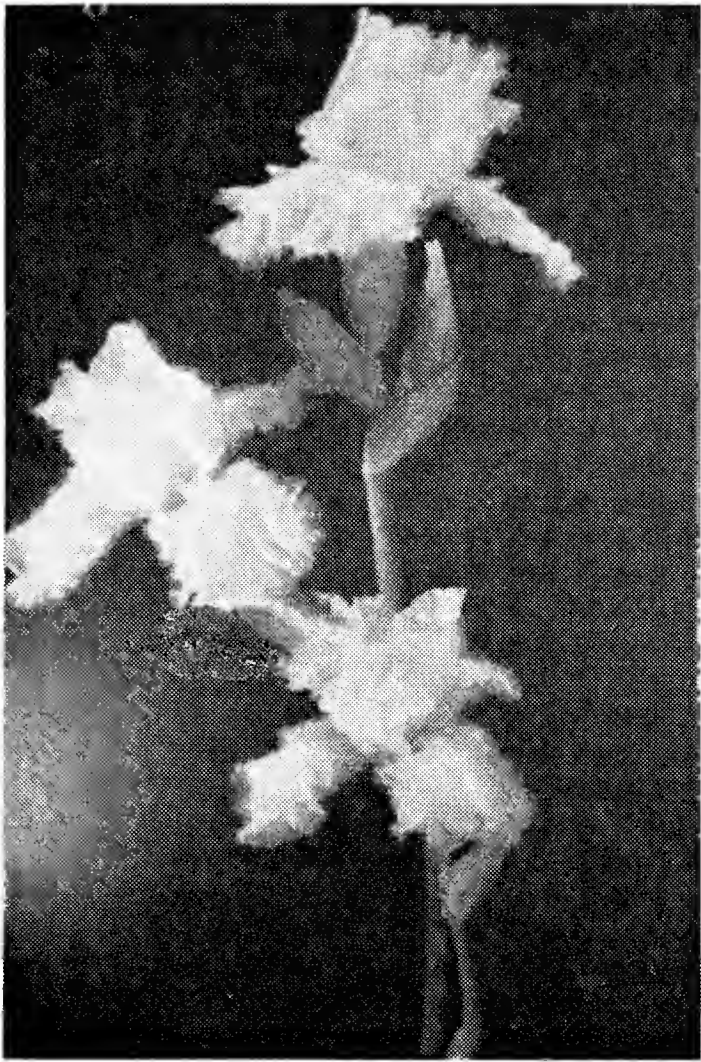
REMONTANTS

BILLY G. SKILLMAN

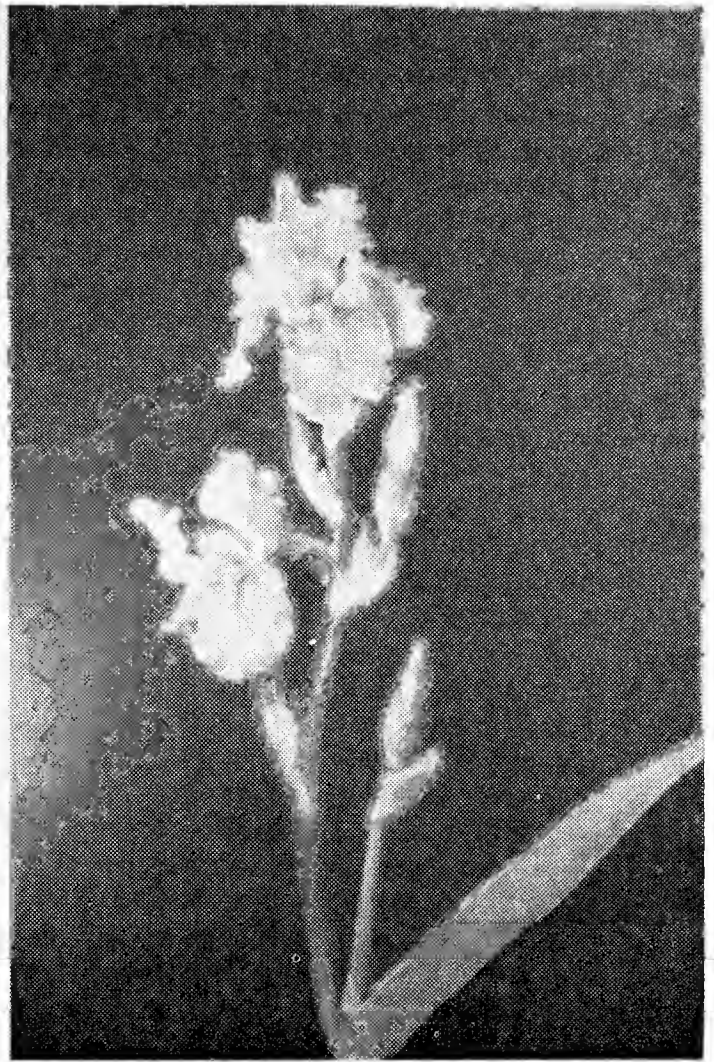
High quality in any garden flower is an admirable characteristic and we can suppose there will always be those who are interested in perfecting the individual blossom of the iris. The heights that will be reached can only be guessed at, but it now appears to be pretty safe to make a prediction that the irises of tomorrow that enjoy the most wide-spread culture and popular appeal in the home garden will be the remontants.

The reason for this is obvious to one who has observed a garden of standard commercially released remontants and has compared the quality of these with the great advancements that are in existence in the seedling beds of our best remontant hybridizers. The time lapse between maiden bloom and general commercial availability is great enough to allow unbelievable strides in quality to occur during the interval. Some hybridizers are reluctant to release what they have now achieved, because the very next crop of seedlings can be reliably expected to produce significant improvements. "Why place something on the market that is already obsolete?," they ask. It is almost incredible to think of a variety becoming outmoded the very year of its introduction, but that has happened. Hybridizers have long had to select from their seedling beds only those cultivars that could prove by their performance that they had the ability to remont. Quality had to be sacrificed for remontancy because the incidence of remontancy was so low. Now the situation is reversing for some hybridizers. Dependable remontancy can now be expected from such a large percentage of the progeny of a cross that selection for quality can become the prime consideration and selection for remontancy a routine and incidental one. This does not imply, however, that we should cease growing large populations of a given cross. The larger the population, the more improvements we are likely to produce. This does explain why quality is rising so fast, and why the gap in quality between once-bloomers and remontants is closing in more rapidly than most of us realize. An example which illustrates this was observed in a garden where an entire population of sixteen seedlings had initiated bloomstalks by the middle of October at the age of five and one-half months. Even if a seedling doesn't produce a bloomstalk during its first season of growth, it may still subsequently prove to be a remontant and, if good in quality, become valuable in the breeding program. Thus we see that in a comparatively short time, the refinements in quality that distinguish our better once-bloomers from our remontants may become so slight that the average gardener will be unaware that they exist. In such a situation, the cultivar that beautifies the home for several months instead of only a few weeks will naturally be preferred and become the standard choice of the commercial market.

Most of us have a childlike delight in being surprised. An advantage of the remontant is that it affords us this element of expectancy and surprise that one never quite experiences in the culture of irises which bloom only in the spring. The time of the spring flowering period can be predicted with rather high probability. We can determine in advance just about the time our irises will come into flower, when the peak of bloom



LACED DUET
(R. G. Smith '68)



AUTUMN ELEGANCE
(R. G. Smith '69)

will be reached, when the blooming season will wane or be past its peak, and finally, when it will terminate. This predictability makes it possible for us to set the date of our spring shows and garden tours in advance, sometimes years in advance, in the case of our national and regional meetings. Because of this convenience, we would not want it any other way in the spring.

The fall blooming period has no such peak because different cultivars come into bloom again at times varying from July to the first hard freeze in cold climates. In some warmer climates bloom may continue on through the fall and even throughout the winter and early spring if the temperatures are mild enough. The time when a remontant initiates fall bloom is fairly predictable, but less so than with its spring performance. In the spring we usually look forward to a certain week, whereas we refer to an "August rebloomer" or an "October rebloomer" in the fall. This means that we can usually expect fall bloom to be initiated within a certain month rather than within a certain week as in the spring.

When the once-bloomers flower in the spring, every rhizome which has matured to the extent of being able to send up a bloomstalk, does so at that time. If not, it waits until the next bloom season. The remontants tend to imitate this pattern in their spring bloom but during the fall they tend to spread out the blooming process over a much longer period of time. Some of the more dependable ones may be able to stretch bloom from August to October. A few are now beginning to rebloom in July and if the

first hard freeze holds off till November, bloom will continue till then. The duration of the flowering period is, of course, limited by the number of rhizomes in the clump. Since the mature clump is more likely to have rhizomes in all stages of development, it can be expected to have a correspondingly longer bloom season. The small clump with few rhizomes will terminate its flowering period when each sizeable rhizome has sent up a bloomstalk. The experienced observer can tell by feeling the configuration of the base of the fan when a bloomstalk is in the process of formation. Outward characteristics that are sometimes manifested are the rounded bulging of the heel of the rhizome or the "letting down" of the outer leaves of the fan while the center leaves remain erect. As the embryo bloomstalk grows upward through the fan, it may cause the fan to appear thicker and one may even be able to feel it taper off at its tip. This state may be held for some time before the stalk bursts out of the fan and becomes visible to the eye. In other cultivars this process may occur with such speed and ease that the grower is unaware of its happening until the tip of the stalk becomes visible to the eye. As embryos, these stalks are so thin that they give the fan little more thickness than would the growth of a new leaf at the center of the fan. This does not mean, however, that when these stalks reach their maturity that they will be any less sturdy than the others. It is believed that pulling the soil away from the rhizome to expose it to the sun will encourage it to set a fall bloomstalk. If this is done in a cold climate, the soil should be mounded back over the rhizome before winter so that no part of it is directly exposed to the elements and especially to alternate freezing and thawing temperatures with no snow cover.

Another weather break we receive in the fall is the lower temperature that usually prevails. Unseasonably warm weather in the spring can force buds into bloom prematurely so that they are smaller, underdeveloped and have colors that aren't always true. "Melting in the sun" is the term that is widely known and employed to describe the sagging of the form and the dulling of the luster of a blossom that would ordinarily remain fresh and tend to glisten in appearance under normal temperatures. High temperatures also shorten the life span of the individual blossom so that few blossoms may be open at one time on a stalk. The lower temperatures that usually prevail in the fall have somewhat the same effect that refrigerator storage has. The individual flowers last so long that three, four or five open blossoms pile up on the stalk so that just a few stalks can create a great mass of color. With less fading from heat the color remains deeper and carries across the garden better. Since blossoms extend their size measurably after they open, to have a flower open longer is to assure maximization of size according to variety. This also helps to add to the color mass.

Although vigor alone does not necessarily produce remontancy, it is a basic characteristic that all remontants must possess. Many of our once-bloomers are outstanding for their vigor, but in kind and amount, the remontant must possess enough to go through at least two complete cycles of development per growing season instead of the one annual cycle of other irises. Irises with one cycle vary the intensity of their growth so that there are times when they undergo interesting development and other times when their existence evidences little activity and change. Just before and during

bloom season, the once-bloomers are interesting to observe and we keep running out into the garden to look for new developments. Thereafter, it becomes mostly a matter of waiting around a year for something to happen. We do not have to wait for the remontants to "come alive." Almost always there is something to see, do, look for or plan for. Since new developments occur regularly, the grower always has something to look forward to and take an interest in.

Tender Loving Care Can Be Lethal

RAYMOND G. SMITH

I believe that more irises have been lost from over-fertilizing than from under-fertilizing. In support of this contention let me cite a number of experiences in growing rebloomers. A reblooming iris performs twice for the same reasons that a once-bloomer blooms in the spring. Proper and adequate nutrition, conditions of health, plus the necessary genetic heritage constitute the reasons.

Anyone who, because of unique conditions of temperature, soil, rainfall, or cultural practices, has difficulty getting irises to bloom in the spring would be well advised not to try rebloomers. These require exactly the same of everything, only more so.

During the past fifteen years I have tested several hundred named varieties and have flowered about 50,000 seedlings from planned crosses, most of which were designed to produce rebloomers. My methods cannot guarantee rebloom for everyone, but they have worked for me. They have substantially increased the health, fertility, performance, and quality of both regular and reblooming irises.

One must start with healthy rhizomes. Free irises are quite frequently worth far less than you pay for them. A friend of mine lost more than an acre of new and expensive plants when he traded for some rhizomes heavily infected with a virulent nematode. He subsequently, at considerable cost and danger, fumigated his soil, but quit growing irises because of the misfortune.

All rhizomes, from whatever source, coming in to a person's garden should be carefully inspected, and, if questionable, should be discarded. I soak every incoming rhizome overnight in a solution of chlordane—a couple tablespoonsful per gallon of water, 40% active chlordane.

Assuming healthy rhizomes, one must have good soil to grow vigorous irises. I like to incorporate as much humus as possible. Well-rotted manure, rotted sawdust, compost, grass clippings, straw and the like are excellent. One can clean barns, hunt up old sawmills, work up compost, or even salvage plaster from houses being razed. I have done all of these. Rotted leaf loam gathered from the woods is excellent because tree roots go down many feet to tap new sources of trace minerals.

Once the soil has been well prepared and the plants set, the best advice is to leave the irises alone. Has anyone ever despaired because it is always the newest and most expensive sorts that get sick and die? I believe the

reason can be expressed in two words—**over care**. Too much fertilizer, too much watering, too much hoeing! The identical rhizome that dies, if tossed out in the yard on top of the sod, will send down roots, thrive, and turn into a vigorous and healthy plant. True, it will not bloom more than once because of competition from grass roots, but it will remain healthy for years.

When planting, I fertilize with a low-nitrogen fertilizer with a ratio of 5-20-20. I dig a hole with a shovel to a depth of about ten inches, insert a handful of fertilizer, and mix thoroughly with soil, before covering completely with unfertilized soil. The rhizomes are then planted on the edge of the hole with their roots in (toes out) and hanging down toward the fertilizer. Capillary action brings up the nutrients to where the rootlets can absorb them. I then tramp the soil hard around and over the rhizomes, pour a quart of water into the pocket between them, and finally place a shovelful of sand in the pocket to level up the planting and to sift in around and under the rhizomes and eliminate pockets. Any open spaces under the rhizome can make nice homes for worms and insects.

No additional fertilizer is applied until after blooming; even then it is applied moderately, not closer than four inches to the rhizome, and cultivated under and mixed with the soil.

Except for weeding the top inch and keeping the dirt loose and friable after each rain, nothing else is done. Only when there are extended periods without rain (3-4 weeks or more) do I water. The drier the ground, the thicker the mulch needed. In very wet weather the mulch washes away from the rhizomes, exposing them to sun and air. This is the way it should be. I like to plant and maintain the base of the clump about an inch higher than the surrounding soil so that water does not stand around the bases of the plants.

Over-fertilizing, especially with balanced or high nitrogen fertilizer, will kill any iris, including the extremely tough old diploids. Over-watering can likewise kill them by filling all of the inter-particle spaces and crowding out the air. Too much cultivation can kill them by destroying too many feeder roots. My advice is to go easy on all of these. Trace minerals, for example, are fine, but just a bit too much is far worse than none at all and will make both iris and owner most unhappy. It is not difficult to hoe them to death, for a lot of feeder roots run just below the surface of the ground.

Iris growers all too quickly jump to the conclusion, when their prize acquisitions succumb, that they have failed to do something. It is unquestionably true that lack of fertilizer, water, and over-competition with other flora can weaken and even kill them, but irises generally are a hardy lot and can hold their own in competition with nearly anything except the ministrations of man. My guess is that in about ninety-five per cent of the cases our losses are due to too high a proportion of tender loving care. Aristotle's Golden Mean may have something to say to the modern iris grower!

MILWAUKEE IN '69

IN MEMORIAM

HAROLD W. KNOWLTON

The Editor

It is given in rich measure to some to walk modestly with men, and yet to have shine forth those qualities of integrity and judgment that make men turn to them instinctively for leadership. Such a man was Harold Knowlton.

It was my privilege to see his garden during the summer of 1958. That garden typified the carefulness of plan and detail with which Mr. Knowlton approached each of life's assignments. It was a masterfully planned and kept floral display, in accents and balances, a breathtakingly beautiful culmination of a design to provide garden color in harmony.

Harold Knowlton took his place on the Board of Directors of The American Iris Society in 1949, and served on that Board for twelve years. In 1950 he became the Vice President of the Society and the Chairman of Awards. He served for three years in these capacities. In 1953 he was elected President of the Society, and served in that capacity for three years. In 1957 he was appointed Chairman of the Exhibitions Committee, and under his guidance there was a rapid expansion in this activity.

In 1959 he was appointed Chairman of the Registration Committee, and took over the monumental task of Editor of the 1959 Check List. He gave to these assignments the same careful attention to detail and organization that characterized all that he did. The 1959 Check List stands out as a monument to these qualities.

He was an amateur hybridizer, and many of us remember with pleasure his CAPE COD, CHIQUITA, CRICKET, and CRYSTAL, among others. But his chief service to the Society was his role as leader and planner and organizer, and for the encouragement he gave to others. For these services he was awarded the Distinguished Service Medal of the Society.

He was a kindly man, and one who set for himself high standards of excellence in everything that he did. Of him it well can be said, ". . . he walked with kings, nor lost the common touch."

Dr. G. S. Millice

Dr. G. S. Millice of Battle Creek, Iowa, has long been a member of AIS and an active participant in Region 21. His garden often was on Region 21 tours, and he made friends among irisarians far beyond the borders of Region 21.

Dr. Homer Robson

Just as we go to press we learn of the death of Dr. Homer Robson, an AIS member since 1937. Dr. Robson, a retired chemist, was a resident of Connecticut for many years; and later of New York. He was an avid gardener, growing flowers in a terraced garden on the banks of the Niagara River at Lewiston, N.Y.

CHARLES E. F. GERSDORF

1885-1968

JESSE E. WILLS

Charles E. F. Gersdorf was an important figure in the early days of the American Iris Society in helping John Wister and Bob Sturtevant getting the new organization properly started. His passing will bring back memories to our senior members. One of the purposes of the Society was to end confusion and mixups in the various clones of irises, to get iris names straightened out and to keep them straight. This was where Charlie Gersdorf was of great help.

He was introduced to the Society as Registrar in Bulletin Number 22 appearing in January 1927. This contained a list of introductions and registrations for 1926, supposedly bringing these up to date. Members were requested "to notify Charles E. F. Gersdorf, 1825 North Capitol Street, Washington, D. C., of any errors or omissions." His duties and this address did not change for many years.

Like many others who are active in horticultural affairs, Charlie Gersdorf worked for the United States Department of Agriculture. He had some previous experience with the classification of flowers with the Rose Society, and he was an officer of the Gladiolus Society.

His contribution to the Iris Society as its first Registrar was invaluable. The position required industry in research, meticulous attention to detail, firmness, fairness, and promptness in answering correspondence. In the early days, growers often named irises without bothering to register them, and Charlie ran these down and got them registered, if possible. For a number of years also variants and misspelled names were listed. Charlie was a great help to Mrs. Anson Peckham in preparing the Society's first really complete Check List that of 1939. He set an example for subsequent registrars which has kept their very important work dependable and complete. Without proper registration we would have chaos.

Charlie Gersdorf was reasonable in his rules, which he originally made himself, and in awarding names or releasing those he considered obsolete. He also compiled lists of possible names which were printed in the Bulletin. He had an especial interest in iris fragrance and spent a lot of time trying to get the perfume of different irises classified and registered. It was an elusive goal.

In 1949, mainly as a means of control over the number of irises registered, the directors decided to charge a fee for registration. Charles did not care for this. He hated to see a service that he had furnished free for nearly a quarter of a century charged for. This had something to do with his resignation, though this was not the only cause. He left in a spirit of good feeling and with the respect of all.

Charles Gersdorf grew irises and raised seedlings himself, though under great difficulty. His ground in Washington was very small and he had to depend a good deal on what he called his "roof garden", big boxes of earth on the roof in which he grew irises. He named quite a number of seedlings. Most of his originations were short, tall bearded that he called bedding irises, but which he would now term border irises.

Charles at times during iris season came to Nashville more than once and occasionally wrote reports for the Bulletin. He attended annual meetings rather regularly during his active years. He enjoyed the social occasions, the dinners and picnics, where he was a good trencherman. He also enjoyed the gardens where he was a very good iris judge.

MRS. DOUGLAS PATTISON

MR. and MRS. RICHARD GOODMAN

Ida Mary Pattison (or Mrs. Douglas Pattison as she liked to be called) was born February 2, 1884, and passed away March 21, 1968. She was a charter member of the American Iris Society, and was instrumental with others in forming our Society. She was an outstanding and important authority on irises, their culture and development in the early days, and it was her greatest interest to the end of her life.

Memories of our dear friend go back to the middle twenties when we drove out to see her in her lovely garden in Freeport, Ill. These visits continued in Sherman Oaks and Corona del Mar, Calif., up to recent years. I remember a time when VENUS DE MILO and CINCINNATI were contending for the title of best white. To me they were identical in her garden. I took a flower from one clump of each to her house and asked if she could name them. This she did without hesitation. Later I learned that if there was a dispute as to quality or identity of an iris at any show where Mrs. Pattison was judging, someone would say, "Ask Mrs. Pattison; she is here and can tell us!"

Mrs. Pattison was always very pleased to give helpful information to the beginner, and generous with her time and gifts of plants. On one of our early visits with her, she told us of her travels in Europe with her husband, and how she had brought back DOMINION to this country, the first of the tetraploid irises, which, of course, is in the blood of about all of our modern irises. In Paris she was asked to be a judge in an international flower show.

After the death of her husband, she decided to grow irises professionally. One of the many customers and admirers of her irises was Haile Selassie, Emperor of Abyssinia, who always wrote her enthusiastically about these irises. She also shipped irises to the Countess Senni in Italy.

We never failed to see her frequently in the years since 1947, and had an annual date to celebrate her birthday. During this time we would show slides taken in gardens and at conventions she had not been able to attend. Nothing pleased her more than to talk about irises, and discuss old and new varieties.

One of her best irises was her WHITE PEACOCK, which won the Franklin Cook Memorial Cup in 1956. Her PINK ACCENT was a very sturdy white ground plicata with fine bloom and branching. Several irises were named after her in various forms of her name. One in particular, MRS. DOUGLAS PATTISON, is still grown, as it has stood the test of time as a fine and vigorous light to medium blue. Her catalogs were always accurate in describing the irises she grew in her "Quality Gardens." The best irises of her day were introduced by Mrs. Pattison, and many of them obtained awards.

She will be greatly missed in the iris world as one of the all-time greats.

MRS. LEO F. REYNOLDS

MRS. REUBEN SAWYER

February 26, 1889 - March 12, 1968

It was a significant day for AIS when Serlena Reynolds joined. From that day on she was their best salesman, a real love affair that was to last for the rest of her life. She was so sold on AIS that she wanted everyone who loves irises to share her pleasure. In 1956 alone she added more than 125 members to the Society from more than eight states. As her prize she chose a ten-year family membership rather than the life membership offered, saying that Leo, her partner in all she did, made it all possible.

She suffered her first illness in 1949, and was ill for the better part of a year, but the love of irises and iris friends never dimmed; in fact, all of her accomplishments and honors iriswise came after age sixty.

She was an outgoing person, chose her friends for their varied outlooks and thoroughly enjoyed the sharing of ideas; seldom did I come to Memphis but the house was aglow with guests. Their home and garden always were open. Most of the iris great and near-great were their house guests at iris time in the forties and fifties. Their friends were legion, as well as world-wide. Both had a keen sense of humor and ready wit; it was a real joy to be in their midst.

All of her hybridizing occurred after she attained her three-score years. For the first few years she pulled them out ruthlessly; then one day Richard Banks found PURPLE HAVEN. Her joy was boundless. Then, in 1957, she introduced the first group, the birth of the "HAVENS". That year VIOLET HAVEN lead the list of HMs with 50 votes. At the 1957 Memphis convention she received five HMs. In 1958 VIOLET HAVEN led the Judges Choice list with 57 votes.

Perhaps the most famous of the "HAVEN" irises was found in her seedling patch by the California group — FLUTED HAVEN. This won the HM in '58, the AM in '62, a number of foreign awards, including the Gold Medal in Vienna; and last year won the Clara Rees Cup for the best white.

Around 1958, she sent the first of her irises to the Florence Trials, and through 1966 when the Firenze irises were announced, one or more "HAVEN" irises won awards. In 1958, MOHR HAVEN won the Wisley Trial Garden Award in England. These "HAVEN" irises won awards on four continents and seven countries, all in a seven-year span of activity.

One of her last irises, LOMBARD HAVEN was a real breakthrough; but rather than selling it, she felt that it should be in the hands of those who would use it in that color break.

The greatest pleasure was received by her friends here in Memphis when the President's Cup was awarded to the beautiful blend, LEO HAVEN, named for her husband and helpmate. Thus the 1965 Memphis convention was made a little more perfect for us.

Well do I remember your many requests to slip the bus by Twintrees. We feared for her health. How nice you were to realize just how much she meant to us in the Memphis Iris Society.

All irisdom shares in our loss; seldom in a lifetime does one meet so vital a personality.

Mrs. Sara Condo

Mrs. Sara Condo of Las Vegas, Nevada, passed away on April 20, 1968. Mrs. Condo was a charter member of the Southern Nevada Iris Society, and she was an enthusiastic AIS member.

She was a great inspiration to her many friends. Her garden was a mecca for iris fanciers and included many of the newest varieties as well as the old favorites we all like so much. She will be missed by all who knew and loved her.

THE ART AND EDUCATION EXHIBITS 1969 AIS CONVENTION MILWAUKEE, WISCONSIN

Some people have apparently misunderstood the "Proposed Guidelines for Participants" published in the July, 1967 Bulletin. The following is intended to clarify the confusion and update the guidelines. For a complete treatment please see AIS Bulletin #186, July, 1967, pp. 63-66.

The convention committee has received the full cooperation of the Milwaukee County Park Commission in preparing the educational exhibit. They are going to letter all text onto display cards so that the material can be easily read. Because of their effort we have asked that the photographs and other materials sent to accompany text be donated to the Park Commission so that the complete exhibit may be used in future years. This is not a requirement, only a request, and applies only to the educational exhibit. All art and craft entries will be returned to the exhibitor; we do not wish the art and craft entries donated to the Park Commission.

Objections have been raised to the suggested use of artificial backgrounds in the photographs to be used in the educational exhibit (e.g., black velvet for light colored flowers, neutral material for dark flowers.) The committee is sympathetic to these objections and will not refuse any good photograph. Our concern is to have material that displays the subject as clearly as possible. Out-of-focus backgrounds are often excellent, but one must be wary lest there be such a wealth of color from other nearby flowers that it detracts from the main flower. This can be avoided by artificial backgrounds, but in some gardens or under certain conditions the problem may never arise. The only other advantage of artificial backgrounds would be a continuity of format throughout the exhibit. While this is desirable, it is not of sufficient importance to warrant rejecting an otherwise excellent photograph, nor to be of primary concern to photographers.

Some people have inquired about their friends who are not members of AIS being allowed to enter the art-craft exhibit. We are not insisting that exhibitors be AIS members or that they attend the convention. Any friends that might enter their work or crafts should be encouraged to contact Mr. Robert M. Reinhardt concerning the entry of their work. All others should contact their sectional chairman. Remember that we are requiring that the

iris be used in some recognizable way in the design or decoration of any work entered. Also, space limitations require that paintings, etc., be no larger than 18" x 24". It may, however, be possible to accept a few of larger size if sufficient space is available. It is our current hope to have well-qualified judges for the art-craft exhibit and to be able to award suitable prizes to the winners. The deadline for receipt of the materials is February 1, 1969; so be sure to contact the sectional chairmen well before that date.

The Arts and Education Committee,

Robert M. Reinhardt, Chairman

14151 W. National Avenue

New Berlin, Wisconsin 53151

Sectional Chairmen:

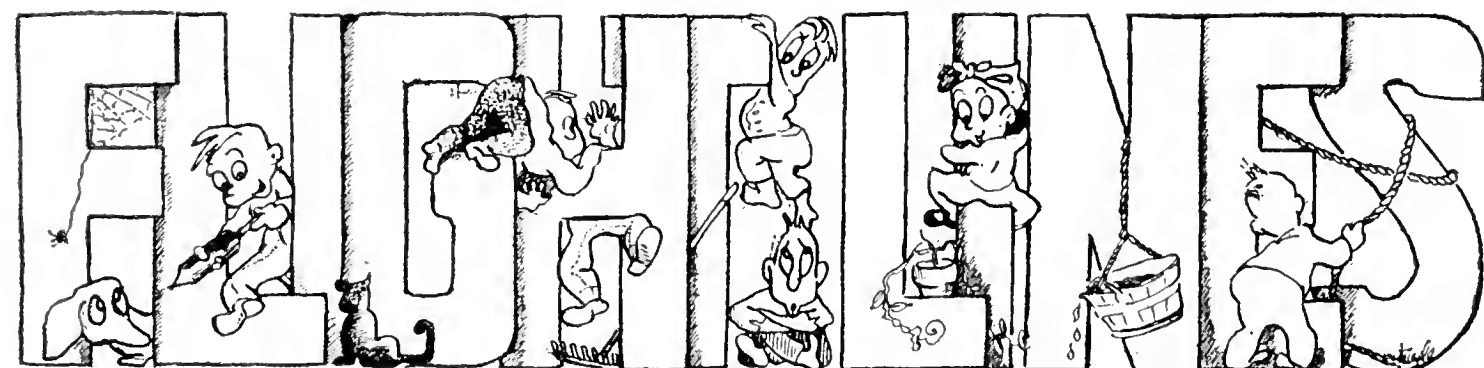
Tall Bearded: Mr. Ed Varnum, 550 S. Princeton, Villa Park, Ill. 60181

Median Iris Society: Mrs. J. A. Witt, 16516 25th St. N.E., Seattle, Washington 98155

Spuria Iris Society; Co-chairmen: Dr. Clarke Cosgrove, 8160 Longden, San Gabriel, Calif.; Mr. Ben R. Hager, Rt. 1, Box 466, Stockton, California 95205

Aril Society, International; Co-chairmen: Mrs. C. R. Foster, 321 Montecito, Sierra Madre, Calif. 91024; Mr. John Holden, Rt. 1, Box 3770, Ridgecrest, Calif. 93555

Louisiana Iris Society: Mr. V. R. Pittman, Jr., 4225 Forest Drive, Port Arthur, Texas 77640



PEGGY BURKE GREY

A Change at the Top

We note with regret that the scope of other duties and interests required that Bill Krasting give up the post of National Robin Director. He'll be missed in the Robin Program, and as the one elected to take over his job, and having already seen the beautiful administrative records he kept, we can doubly appreciate the absolutely marvelous work he has done for the AIS. Bill designed the clever name tags used at the Golden Gate convention for their very successful Flight Deck registration, and we hope to make this decor a traveling feature booth at future conventions.

The AIS Board has decided to combine the offices of National Robin Director and the AIS Robin Program Committee, with the program in charge of the Robin Program Chairman. There will be a future change in Flight Lines editorship, too, but not right away because as of Bulletin press

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National Robin Program Director

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time our successor has not been chosen. For this issue we turn the spotlight over to Edwin Rundlett, Chairman of the Reblooming Iris Division and editor of the Reblooming iris publication. With summer here, and special additional culture timely for good second bloom, perhaps some of what Edwin has to report will prove of interest.

The REBLOOMING IRIS SOCIETY, organized as a Section of the AIS only a year ago at the Denver Convention, already has over 235 members and has twelve Letter Robins spreading information across the country. Enthusiasm runs high, yet outside of the lowlands of the West Coast we find gardeners poorly informed, or even skeptical. *The Reblooming Iris Reporter*, official organ of that Society, is trying to correct this, and so is the parent organization, the AIS.

What follows are reports of successful reblooming, spring and fall of 1967, in various parts of the country. Unregistered irises are deliberately skipped; frustrations to breeders.

R.S., Saltillow, Pa. "These did the best for me and ones I thought had the best flowers: FALL FAVOR, AUTUMN ORANGELITE, SUMMER GREEN SHADOWS, SUMMER BLUE BELL."

M.C., Coville, Wash. "I purchased six rebloomers from a California nursery in August, 1966. JULY BEAUTY and GREEN DRAGON are the only ones to bloom twice in 1967. Perhaps they will be acclimated next year and give a better performance."

D.C., Gladstone, Va. "GIBSON GIRL and AUTUMN TWILIGHT were almost everbloomers here in previous years, but this year did not mature leaves at all, though they looked healthy. I found that they were too thick, almost toe on toe, so thinned them and hope for better results next year. FALL PRIMROSE, SANGREAL, SUMMER WHITEWINGS, DOUBLE DUTY, AUTUMN SENSATION, CRIMSON KING, SEPTEMBER SPARKLER, SEPTEMBER CREAM and AUTUMN FLAME rebloomed. I had 12 others in bud when frost came Nov. 6."

S.P.N., Albuquerque, N.M. "OCTOBER BLAZE (a beauty!) planted 25 Sept. 1966. Bloomed May '67 and Nov. '67. This one had five stalks threatened by a freeze, so I cut them on Nov. 28 and they bloomed inside. JEAN SIRET (Dwarf). My prize! I've had it for years. It usually blooms in the snow here."

Anon. The dark reaches of Manhattan Island, N.Y. City, would not seem to be the place for reblooming irises to thrive, but in the relatively sunless season of 1967 that is what happened at Barrow & Hudson streets. The little garden of old St. Luke's Chapel had numerous stalks of blue rebloomers in clumps that looked as though they were throwing up a spring show. This was clearly visible from seven flights up in a nearby building."

R.R., San Jose, Calif. "Irises which rebloomed in our garden include SUMMEROSE, LATEST LOVE, GEM STATE and DAY OF REST. We usually have more, but are having a colder than average winter. One warm winter we had one iris or another in bloom almost constantly. Our climate is warm compared with the midwest and east, but much colder than Southern California."

H.B., New Braumfels, Texas. "Some years ago Jim Allen gave rhizomes of SPRING ROMANCE for a planting on our central plaza. They have bloomed every month of 1967 except one month! Ought to be a good

parent with such prolific growth here!"

T.B., Wichita, Kansas. "These three bloom here without fail every spring and fall: BRONZE BEAUTY, AUTUMN TWILIGHT, BLACK MAGIC."

E.H., Lemoore, Calif. All dates are in 1967. ALTA ROSA, 3/16, 5/9, 12/15. AUTUMN ROSYCHEEKS, 4/16, 5/16, 11/12, 12/14. AUTUMN SUNSET, 4/30, 5/28, 11/20, 12/18. HALLOWEEN NIGHT, 4/12, 5/8, 11/1, 12/4. NORTHERN SPY, 4/24, 5/20, 11/20 onward to Christmas. WINTER FLAME, 4/16, 5/13, 11/23 to Christmas. Sunset Western Garden Book places us in Zone 8."

J.H., Carrollton, Mo. "Spring bloom started early in May for these varieties; fall blooms as indicated. FALL PRIMROSE, 8/30, SUMMER INSPIRATION, 9/10, POLAR KING, 9/15, JULY BEAUTY, 9/28, AUTUMN DELIGHT, 9/28, SUMMER WHITEWINGS, 10/2, SEPTEMBER GLEAM, 10/2, FALL VIOLET, 10/20, HARVEST BLUE, 11/10 (freeze caught stalk), GOLD OF AUTUMN, 11/8 (unusually late)."

A.T., Richmond, Va. "All these bloomed in spring and then: GIBSON GIRL, Aug 11-Sept 20, GUIDING STAR, Sept 22-Oct 24, AUTUMN ROSEMIST, Sept 22-Oct 10, AUTUMN FLAME, Sept 23-Oct 20, GREEN HOPE, Oct 17-Nov 6, JOSEPH'S MANTLE, bloomstalks 18" high, DOUBLE DATE, Oct 29-Nov 6, ROYAL BAND, Oct. 25-Nov 6, CAYENNE CAPERS, Oct. 31-Nov 6. AUTUMN ROSEMIST, after blooming as stated, began again Oct 24 and bloomed until killed Nov 6th."

G.S.W., Calif. "These were first year plants. The dates are of startings to bloom. ORCHID AND FLAME, 5/29 and 9/15, SEPTEMBER SAILOR, 5/25 and 10/3, AUTUMN SNOWDRIFT, 5/22, 5/30, 10/12, 10/27, 11/15, 11/27. CHIMERA, 5/26, 10/5, 11/28. FALL BEAUTY, 5/28, 11/1. NORTHERN SPY, 5/24, 11/25, 12/1. GREEN HOPE, 5/25, 11/6. SUMMER WHITEWINGS, 5/25, 11/10, 11/28, 11/30. SEPTEMBER SPARKLER, 5/9, 11/16. AUTUMN ROSYCHEEKS, 5/19, 11/8. Some others failed in spring but bloomed in fall. I guess they should be called something special."

F.P., Carlsbad, New Mex. "Of all the reblooming irises that bloom here, CAYENNE CAPERS is the best performer. It will open buds after a 28-degree freeze. Then if it warms up it will send up new bloomstalks. BLUE SURPRISE, GIBSON GIRL and FIRST SNOWFALL are also good. I had a few bloomstalks from April to December. Except for my own seedlings, here are those that bloomed spring and fall satisfactorily: SEPTEMBER CREAM, CAYENNE CAPERS, SUMMER PINK, GIBSON GIRL, AUTUMN ROSEMIST, AUTUMN SNOWDRIFT, BLUE SURPRISE, FALL SUNSHINE, FIRST SNOWFALL."

C.A., Perrysville, Ohio. (Ed.—Especially important as freeze-free growing seasons average only about 149 days). "Rebloom started as indicated. NAPPANEE, 2 Aug., SUMMER TABLETINE, 2 Aug., SUMMER BLUE, 5 Aug., SEPTEMBER PASTEL, 6 Aug., AUTUMN TWILIGHT, 8 Aug., SEPTEMBER BUTTERCUP, 13 Aug., AUTUMN AFTERNOON, 20 Aug., BARRE BEAUTY, 21 Aug., AUGUST WAVES, 21 Aug., SUMMER WHITEWINGS, 25 Aug., GIBSON GIRL, 28 Aug., FALL YELLOW GIANT, 3 Sept., AUGUST INDIAN, 3 Sept., SUMMER INSPIRATION, 3 Sept., SEPTEMBER SAILOR, 6 Sept., SUMMER BUTTERFLY, 5 Sept., SUMMER FANTASY, 9 Sept., CHERYL KAY, 9 Sept., SUMMER LAVANETTE, 16 Sept., FALL BLUEBIRD, 17 Sept., FALL GREENWAY, 20 Sept., FALL PRIMROSE, 20 Sept., LATE SHOW, 19 Sept., SEPTEMBER CREAM, 19 Sept., SUMMER BLUETINTS, 20 Sept., VIOLET VIRGO, 5 Oct., AUTUMN

JANE, 30 Sept., ULTRA, 2 Oct., SUREFIRE, 3 Oct., POLAR FLAME, 5 Oct., FINAL FLING, 30 Sept., AUTUMN ORANGELITE, 6 Oct., MANY MOONS, 5 Oct., PRIDE OF SUMMER, 30 Sept., GOLD OF AUTUMN, 16 Oct., AUTUMN BRONZE, Sept., MAYOBER, Oct., GREEN DRAGON, Oct., SEPTEMBER SPARKLER, Oct., POTAWATOMI, Oct. Many others bloomed in fall that had not bloomed in spring, but many of these in other years had bloomed both seasons. Late spring frosts this year. Also I was ripening some seed pods that probably slowed them."

D.B., Fort Cobb, Okla., PRISSY, SUNNYLANE, SOONER SNOW, CAYENNE CAPERS, HELEN TRAUBEL, ELEANOR ROOSEVELT, PINK PINAFORE and COURTIER had blooms both seasons. HELEN TRAUBEL was a surprise. The others seldom miss reblooming here."

H.H., Solvang, Calif. GREEN HOPE bloomed every month of the year except March and August. FIRST SNOWFALL bloomed every month except June; GOLD OF AUTUMN, every month except Jan., Feb. and March. Due to some fall frosts we have to keep real late rebloomers covered at night."

E.B., Davenport, Iowa, "FALL PRIMROSE, AUTUMN DELIGHT, SUMMER GOLDDLOCKS, OCTOBER SHADOWS, SEPTEMBER CREAM, bloomed both seasons. In other years AUTUMN DELIGHT was not as reliable as the others.

B.H., Stockton, Calif., "We do not consider varieties that do not rebloom in October as satisfactory commercially or otherwise for classing as remontant. Winter bloomers are of no use to us whatever as they are always frosted before bloom."

M.M., Walker, Mo. "These bloomed spring and fall here. AUTUMN AFTERNOON, AUTUMN BRONZE, AUTUMN DELIGHT, AUTUMN ORCHID, AUTUMN ROSEMIST, AUTUMN TWILIGHT, BALL GOWN, BLACK MAGIC, FALL PRIMROSE, FIRST SNOWFALL, GIBSON GIRL, GOLD HILL, GREEN HOPE, LOIS CRAIG, MOON GODDESS, NAPPANEE, PIN UP GIRL, POLAR KING, THANKSGIVING FIRELIGHT, WESTERN HILLS, SNOW GODDESS."

Good news from Canada! F.M.C. writes from Gatineau County, Province of Quebec, Canada (not far from Ottawa), "Herewith is a list which bloomed in the spring of 1967 and again in the fall: AUTUMN TWILIGHT, FALL PRIMROSE, GIBSON GIRL, SEPTEMBER PASTEL, SEPTEMBER SPARKLER. Also BLUE SURPRISE had a stalk cut down by frost, end of October before blooming."

From the Editor's Desk

This issue of the Bulletin has been produced with the maximum of blood, sweat and tears. With the stepped-up pace for the Bulletin, it has become a two month out of three full time job, and this has been complicated by the time it has taken to close out a professional career. The succession of goodbye parties dug deeply into the time I had to spend on the Bulletin, and we finally had to get Kay in from Bethany for ten days to do the final work on the publication.

One of the unique iris display gardens of the country is that at Springfield, Illinois, where the garden is located in the shadow of the Rees Carillon, and visitors can view the garden to the accompaniment of music.

BUTTERED POPCORN (Dorothy Palmer) was wrongfully credited to Melba Hamblen. Just a case of a writer confusing two charming bits of feminine pulchritude.

A belated report. The Northwest Median Society has sent \$47.93 to the Scientific fund of AIS. At the same time, the Roswell Iris Society sent a check of \$10.00 for the same fund, in memory of their member, Mrs. Earl Corn, who passed away in December, 1967. As we often have written, in our kind of times and those we face in the future, many of the answers are going to come from the objectively directed laboratories of science. Officially, we want to thank these people in behalf of AIS and its Scientific Committee.

Later word is that the Walla Walla Iris Club has sent a check of \$100 to be applied to the Scientific Research Fund. Ditto to above.

One constantly lives in dread of the typographical error which escapes one, even with reading and re-reading, but the one that made us tear our hair out by handfuls was Bill Schortman being located at Porterfield instead of Porterville. This kind of error shouldn't happen to nice fellows like Bill.

The Berkeley meeting was a smashing success, from every point of view; and its organizers are to be congratulated for their superb organization, even to the control of weather to bring the guest irises into peak bloom at the proper date. Perhaps the only snafu was that the Bulletin carried one calendar of official Board-RVP activities, while another was used. But the Bulletin for April already was on the presses; in fact, had been printed and awaiting the mailing envelopes when the news of the change of calendar came.

For all practical purposes, we closed out our career in education with graduation on June 8. While we are under contract until September 1, the successor has been appointed and is on the job, leaving to me only a mopping up operation on files and records. There always is trauma in closing out a career to which one had dedicated forty-one years, but the sight of 8,000 people coming to their feet in a standing ovation somehow made the problems of those years fade away and made the years seem so very worth while.

As we write these last words for the Bulletin, we are sure that we have overset, and that articles we had planned to use in this issue will have to be held over for the October Bulletin. Fortunately, we have some that will serve equally well for either issue.

This issue of the Bulletin will be delayed a few days to include the tabulation of the Official Ballot results. The printing of the Popularity Poll ballot in the April issue and the printing of the Official Ballot results in this issue save the Society more than \$1,000, and is part of the business-method scrutiny to cut costs and give better service. In this issue and the October one, dedicated to red irises, we have gone to four covers in color, a feature that we are not sure we will be able to continue because of cost.

See you in Milwaukee in 1969 and in New York in 1970, when we celebrate the Golden Anniversary of AIS.

Genetics for Iris Breeders

I. INTRODUCTION TO THE BASICS

BY

KENNETH K. KIDD

Paper Number 1189 from

Laboratory of Genetics

University of Wisconsin

Madison, Wisconsin 53706

The author wishes to acknowledge the support of a National Science Foundation Graduate Fellowship

PROLOGUE

In literature and poetry added richness and depth of meaning are frequently obtained by using a word that has more than one interpretation and hence produces a sentence with two or more levels of meaning. In science, however, words are used to convey specific information about facts or to convey specific ideas or hypotheses. The double entendre has no place in scientific writing, and similarly, imprecise usage of words or "sloppy" definitions only leads to ambiguity and confusion. The terminology of genetics has acquired many "sloppy" interpretations among non-geneticists (geneticists are not completely innocent either) through imprecise usage. Other terms have acquired new meanings as knowledge has expanded. Much misunderstanding and confusion have resulted. Consequently, I have attempted to be very precise in my usage of genetic terms and have included brief definitions of most of these terms. This will hopefully be of help both to the novice approaching the subject for the first time and to the more advanced student in that at least it will be clear what I mean when I use a given word.

MODERN MENDELISM

Mendel's original studies with garden peas in the 1860's heralded the beginning of our understanding of the mechanisms of inheritance. Before Mendel, and in fact until 1900 when his work was discovered and appreciated by biologists, the most popular concept of heredity was one analogous to the blending of fluids. Mendel's work completely disproved this idea. It does help, however, to understand the differences between these two theories: "blending inheritance" and "particulate inheritance" (Mendelism).

"Blending inheritance" is best explained by an analogy to the mixing of fluids as illustrated in the first figure. In biological terms some "essence" is distilled from the organism and transmitted in the gametes as the hereditary information. The "essences" from the two parents blend to produce the offspring as an averaging to the two parents. This offspring when mature produces *gametes* (the reproductive elements, sperm and egg) containing an "essence" reflecting his appearance. The illustration (Figure 1) using tones of dark and light has a human analogy in marriages between light- and dark-skinned people. The children would be intermediate in color (as indeed they often are) and the grandchildren would also be pri-

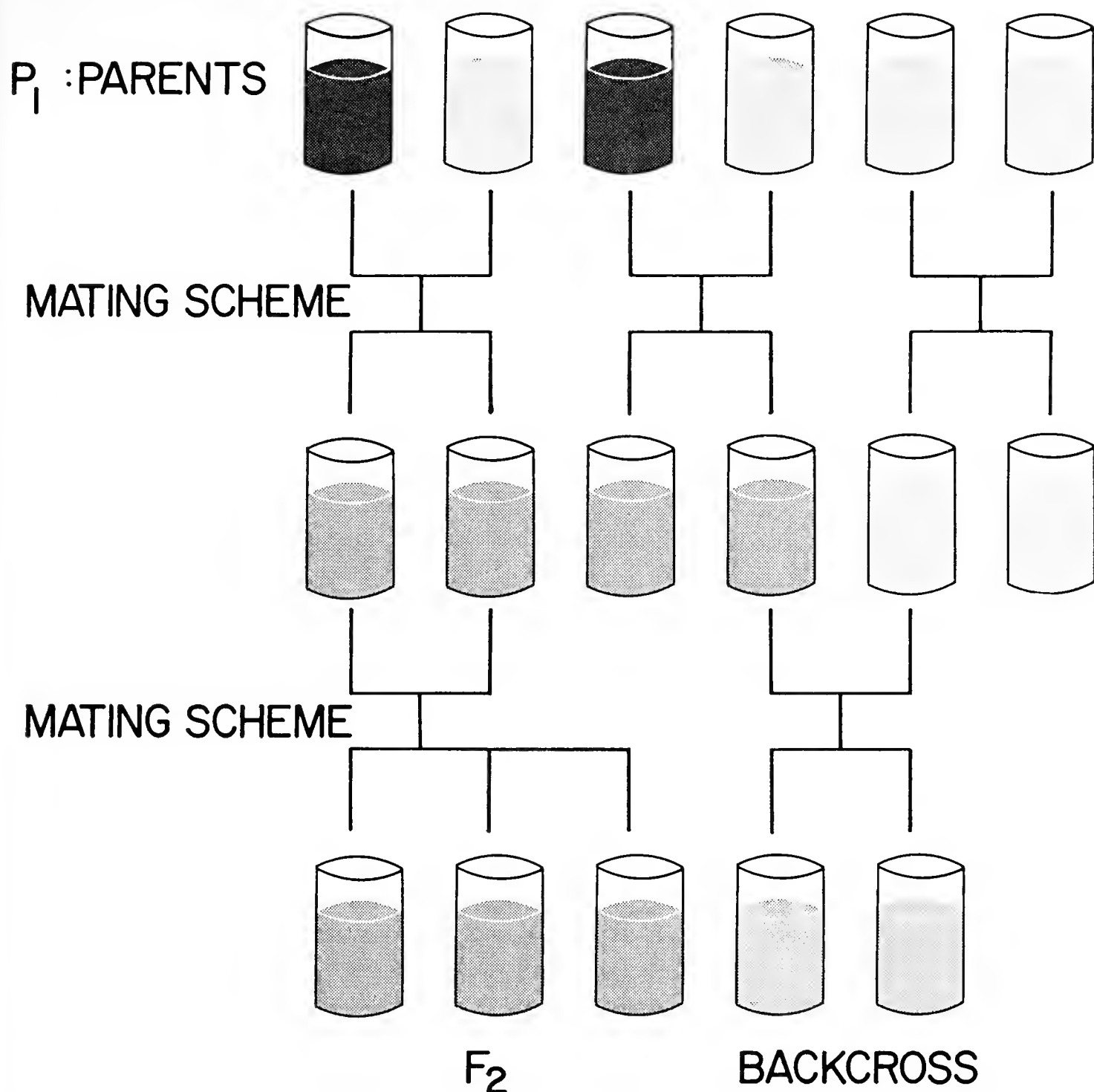


Figure 1. The now defunct theory of “blending inheritance” is illustrated by an analogy to mixing light and dark fluids. The result of such a mixing is intermediate in intensity and the two original shades cannot be separated out from the mixture.

marily intermediate (usually not the case) according to this concept of “blending inheritance”. Specifically, two individuals could not have offspring more extreme than themselves since the offspring are produced by an averaging of the parents.

What Mendel found in the first generation of his hybrids did not conflict with this theory. In some cases the F_1 (first hybrid or filial generation) plants were intermediate between the two parents; in most cases they appeared identical to one parent. “Blending inheritance” could explain this latter observation by invoking a “black ink” with so much “pigment” that it would still appear “black” even when diluted by $\frac{1}{2}$ with “white ink”. But, “blending inheritance” could not explain what Mendel found in the

F_2 (second hybrid generation—the offspring of the F_1); there were plants like the F_1 and plants like BOTH parents! These results of Mendel's disproved the theory of blending inheritance and throughout the development of modern genetics no good example of blending inheritance has been found. Nevertheless, the fallacy of blending inheritance still survives in the concept of "per cent blood": a person with an Amerind grandparent is considered to be " $\frac{1}{4}$ Indian blood." This fallacy is also present in the iris world—read the official definition of an arilbred for an example. The concept may have social meaning but it has no biological or genetic relevance.

Mendel proposed a particulate theory of inheritance based on his experiments. As part of his theory Mendel proposed "laws" that are essentially statements of the rules that he believed these particles obeyed. In one of his experiments he found that a cross between a pure-breeding pea with colored flowers and seeds and another pea with colorless flowers and seeds produced an F_1 in which all plants were colored. When two of these colored F_1 plants were crossed, two kinds of plants resulted: colored plants like the F_1 and colorless plants like the colorless grandparent. Mendel counted the number of each type (a new approach and the key to his success) and found that there were approximately 3 colored plants to every colorless plant. He raised a third generation of plants by selfing each F_2 plant and found that the colorless F_2 plants bred true, that some colored F_2 plants were true-breeding like the original colored parent, and that the rest of the colored F_2 plants segregated out $\frac{1}{4}$ white plants just as the F_1 . The proportion of true-breeding colored plants among the F_2 was the same as the proportion of colorless plants: $\frac{1}{4}$. An additional cross was made of the F_1 plants to their colorless parent; equal numbers of colored and colorless plants resulted. From these and other similar results with other traits Mendel was able to elucidate his theory and state his "laws".

Mendel's first law is that **hereditary characteristics are determined by pairs of particles** (factors); however, when the gametes are formed **only one factor of each pair is included in the gamete**. Thus, *segregation* of the factors occurs when gametes are formed. Fusion of the male and female gametes (sperm and egg, respectively) to form the *zygote* (fertilized egg—the single cell from which an individual develops) restores the double number. Figure 2 illustrates this "law" by following one pair of factors through a complete cycle from one zygote to a zygote of the next generation. It is important to understand that the hereditary units (factors) are passed unchanged from one generation to the next. The factors that "reappear" in the F_2 are identical to those that "disappeared" into the F_1 . These factors are not to be confused with the characteristics of the organism that we see. These characteristics, in fact the whole organism, are produced anew in each individual. The way in which these traits are produced and the form they take are determined by the particular combination of hereditary factors present in the first cell (zygote) of that individual and hence present in all cells of the individual.

The relationship between the *genotype* (number and kinds of hereditary units present) and the *phenotype* (appearance of the organism) was the basis of another of Mendel's contributions. He observed that the *homozygous* (adj., the two factors of the given pair in the zygote are identical) plants had phenotypes that corresponded to the kind of factor present.

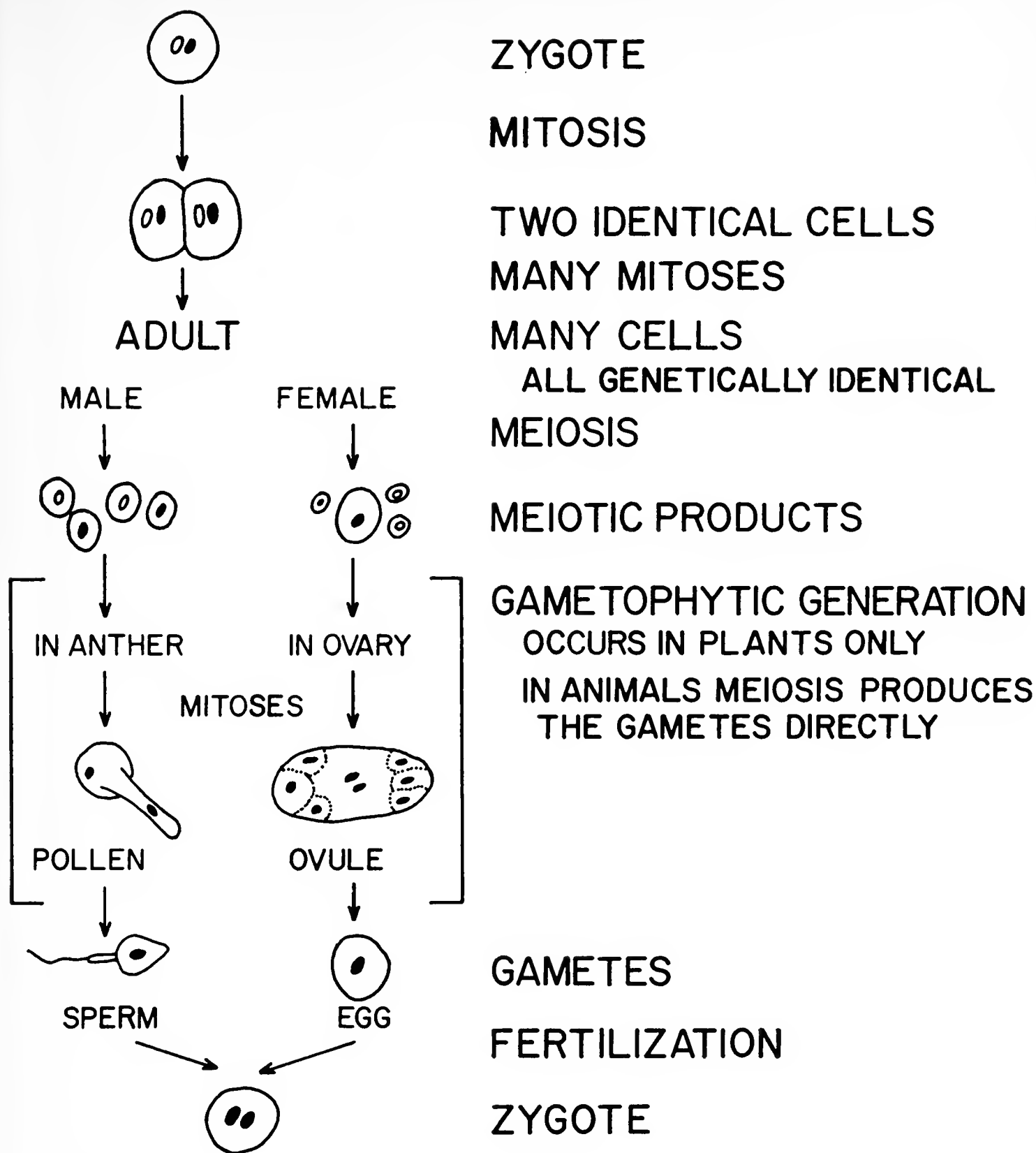


Figure 2. One genetic generation from zygote to zygote following a pair of Mendel's factors. Mitosis produces two genetically identical cells from one cell. Meiosis produces cells with only one factor from each pair. Note that in the female only one of the four products of meiosis is functional while in the male all four can function.

Mendel then classified these alternate traits according to their expression in the F_1 individuals and the *heterozygotes* (noun, having the factors of a pair of different types) in other generations. Only one of the two characters was usually expressed—in the example above the F_1 had a factor for colored flowers and seeds and a factor for colorless flowers and seeds, but the plants had colored flowers and seeds. Mendel called the character-

istic expressed in the hybrid the *dominant* characteristic; the trait that was not expressed he called the *recessive* characteristic.

This relationship of genotype to phenotype is illustrated in Fig. 3. This figure also illustrates Mendel's first law, segregation of the paired factors and their subsequent random recombining to form the next generation. By extension and as a convenient shorthand it has been common practice to refer to the factors as dominant and recessive respectively, *e.g.*, "a dominant gene." This has never been technically correct and more recent discoveries in genetics have shown it to be false, misleading, and frequently very confusing. Experiments with many different species since Mendel have shown that dominance does not always occur and is only a relative phenomenon, not an intrinsic property of the factors themselves. In the coat color of Shorthorn cattle there is no dominance—the two homozygotes are red and white while the heterozygote is roan, intermediate between the two homozygous types. A good example of relative dominance occurs in humans where dark hair color appears dominant to both blond and red, but blond hair color is dominant relative to red. The plicata pattern in irises, though probably more complex, is analogous to blond hair color in this respect, being recessive to full color but dominant to one type of white.

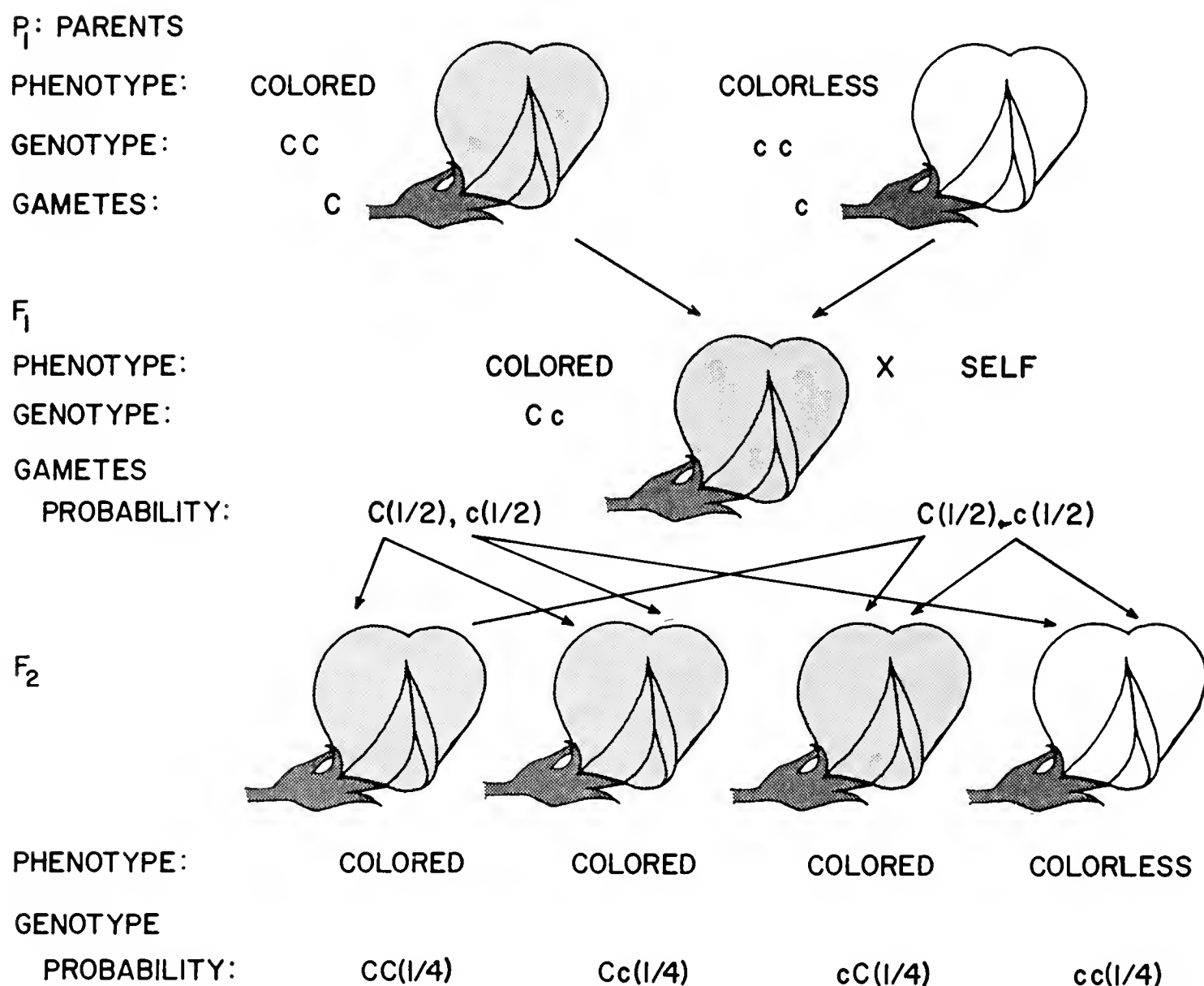


Figure 3. A diagrammatic representation of Mendel’s “atomic” theory of heredity based upon particles and the laws of probability. Note particularly the relationship between genotype and phenotype.

The situation can be even more complex since many hereditary factors can produce two phenotypic characteristics, one of which may be dominant and the other recessive. A certain yellow coat color in mice is dominant to wild-type color, and the heterozygote is yellow-colored. However, the homozygote for that same hereditary factor dies as an embryo; lethality is recessive to viability. One hereditary factor here determines both a dominant trait, yellow coat color, and a recessive trait, lethality. It is obvious that this factor could not be called either dominant or recessive. A phenotypic characteristic may be dominant or recessive to a given alternative characteristic, but a given factor is either present or absent. The example just given also illustrates *pleiotropy* (the name given to the general phenomenon of one hereditary factor producing more than one phenotypic characteristic). Pleiotropy is common, and undoubtedly some factors in iris exhibit it. However, it is difficult to demonstrate its existence, and no examples are known in irises as yet.

As stated above, Mendel showed that the hereditary factors occur in pairs and that a particular pair seems to affect primarily one characteristic—height, flower and seed color, seed shape, *etc.* We now know that these units occur on (as part of) the *chromosomes*—those structures that make up the nucleus of every cell and appear rod-like when the cell is dividing. Chromosomes exist as pairs too, and one chromosome of each pair contains many different hereditary units arranged in a specific linear order. The second chromosome of each pair contains the second member of each factor pair arranged in the same order as on the first chromosome. Thus, each hereditary unit exists in a certain linear relationship to the other hereditary units located on the same chromosome pair. The other chromosome pairs in a cell have different sets of factor pairs. The chromosomes behave in much the same way as Mendel's original factors: there is only a single representative of each chromosome pair in a gamete; the different chromosome pairs behave independently in their segregation to form gametes.

Mendel also showed that the hereditary factors of a given pair can exist in two forms, *e.g.*, one associated with tall plants and one associated with short plants. Mendel's work actually is based upon this dual nature. When we wish to talk about a given pair of units, without specifying one of the particular units, we can generalize from the functions or phenotype associated with that pair and from the arrangement relative to the other kinds of units on the chromosome and talk about a *locus*. Thus, we would have the height locus, a position on a given chromosome that has two possibly alternate forms or alleles—the allele determining short plants, and the allele determining tall plants. The term *allele* is one of those words mentioned in the prologue that has more than one meaning. Genetics use *allele* to designate the different forms of the genetic factors that occur at a single locus and show segregation. Geneticists also use the term to designate the distinct representatives of a locus found in a single individual, whether the same or of different forms. Thus, a homozygote may be defined as an individual in which the two alleles at the *X* locus are alike. These two usages of the word can be confusing, but the meaning is usually clear from the context. When considering several individuals, one may find more than two different alleles (forms) of a given locus. Only two alleles (representa-

tives) of any locus occur in a given individual—one on each chromosome of the pair—but those two may be different (forms) from the two alleles (representatives) occurring in another individual. Thus, at the X locus there may be four alleles— x^1 , x^2 , x^3 , and x^4 —but 10 different types of individuals: x^1/x^1 , x^1/x^2 , x^3/x^4 , etc. Nevertheless, there are probably many loci even in the very hybrid modern irises that have only one kind of allele and hence all plants will be homozygous. Conversely, even in the wild species that appear very homogeneous phenotypically there are probably no plants that are homozygous at all loci.

The different alleles (forms) at a locus have arisen by mutation or change. Earlier I said that the factors remain constant from generation to generation, and this is almost true. But, in fact, changes or mutations do occur at a rate of 10^{-5} to 10^{-6} per locus per generation, about one change in each locus in 100,000 to 1,000,000 germ cells[§]. For all practical purposes, mutation can be ignored in a hybridizing program since it is such a very rare phenomenon. Since even the occurrence of new characteristics such as tangerine pink can have an explanation other than mutation, as will be explained in a future article, this phenomenon should be the last resort in attempts to explain the results of crosses in irises. Only in such clear-cut examples as Good and Plenty is mutation the most reasonable explanation.

If two loci, say N and K , are segregating (*i.e.* both are heterozygous) in a plant and these two loci are located on *non-homologous* (of different types; not constituting a pair) chromosomes, then in the formation of gametes the inclusion of a given N allele will not influence the choice of K allele for that gamete, *i.e.*, *random segregation* for the two loci. This principle was Mendel's second law. This law, however, is not general since the alleles at loci on *homologous* (the members of one pair, "identical") chromosomes are more likely to segregate as pairs. A plant n/N , k/K (separate chromosomes) will produce four kinds of gametes NK , Nk , nK , and nk with equal frequency: random segregation. Alternatively, for two loci on homologous chromosomes, nl/NL , primarily nl and NL gametes are produced: non-random segregation. Such non-random behavior of separate loci caused by their being on homologous chromosomes is called *linkage*. Linkage is not absolute and two alleles, say n and l originally on the same homolog will be found separated in a few of the gametes. This results from the exchange of segments between homologous chromosomes during gamete formation and is called *recombination*. Figure 4 illustrates *meiosis* (the process of gamete formation through a reduction division), and gives one possible outcome for a plant heterozygous for two linked loci. To my knowledge there are no data suggesting linkage in irises. Linkage must exist since there are only a limited number of chromosomes, but the association of two characteristics, *e.g.*, yellow and pink as discussed in *Garden Irises*,[†] can have many possible explanations other than linkage. The only way to demonstrate linkage is through the analysis of segregation ratios. This is difficult to do in irises and requires very large numbers of seedlings. It will probably be some time before we will be able to discuss examples of linkage in irises, except hypothetically.

Before going any further, it would probably be advisable to define the word *gene*. Since everyone uses the term, you are probably wondering why

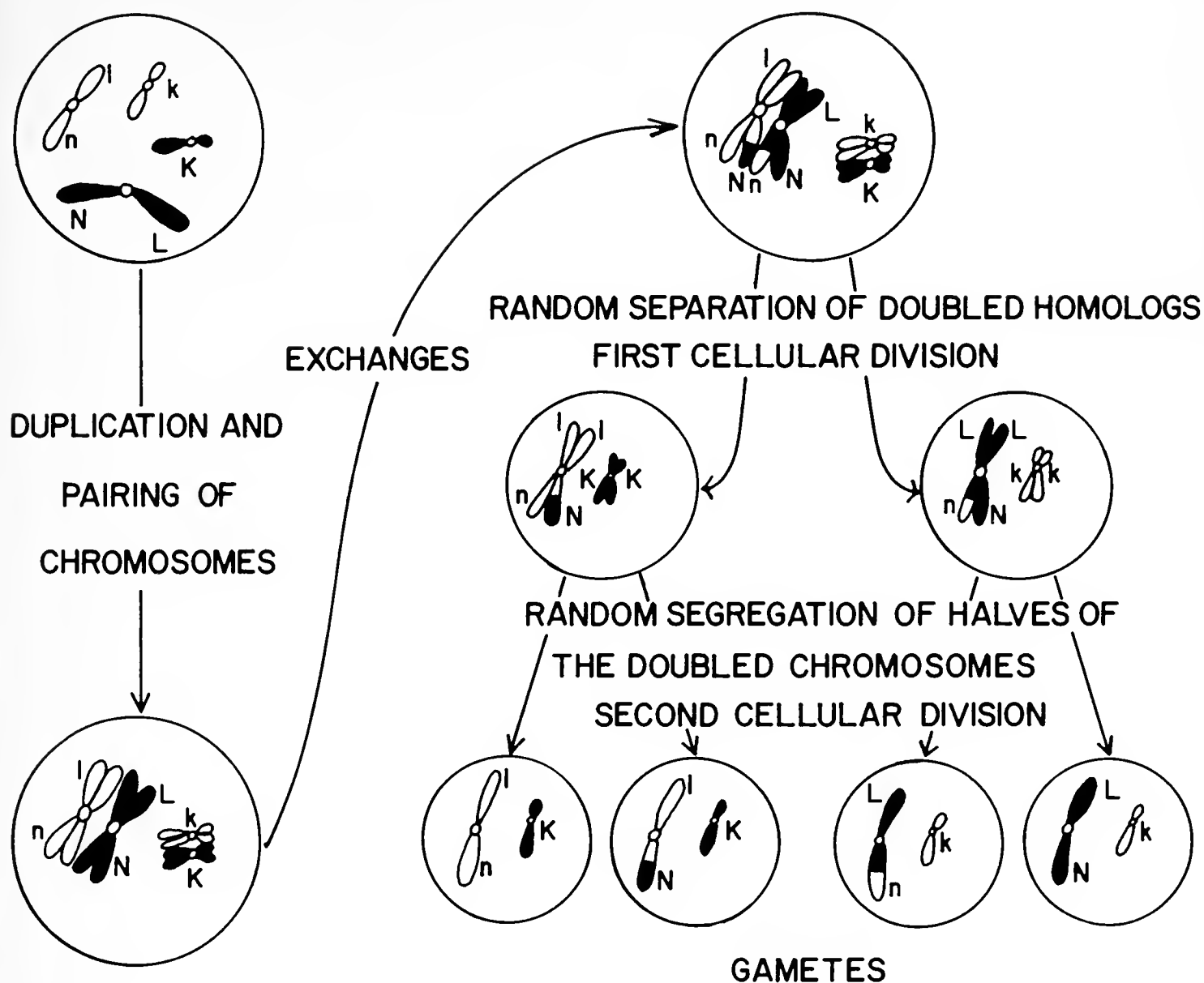


Figure 4. Diploid meiosis (gamete formation) showing segregation of alleles, independent segregation of different or non-homologous chromosomes, and recombination between homologous chromosomes producing different combinations of alleles at linked loci. The exact results illustrated here are but one possible outcome of a given meiosis. Other cells would produce different sets of four gametes such that all possible combinations of these loci would be found among the products of many independent meioses.

I have only used it once so far, and then within quotation marks. As genetic knowledge expanded, the term *gene* acquired new and different meanings, and understanding has suffered because of the simultaneous existence and use of these several meanings. Other specific words have now been given to the different kinds of hereditary units, and I shall use *gene* to designate an unspecified allele at an unspecified locus, usually in relation to some function. It is thus a very general term virtually synonymous with Mendel's *factor*. A gene is not the smallest unit of inheritance, nor is a gene indivisible. Whenever any ambiguity may arise I shall attempt to use another, more explicit term.

A NOTE ON NOMENCLATURE

It has long been the policy to use letters as symbols for genes. A given letter or abbreviation is assigned to a given locus, and the alleles are given forms of that letter. Mendel introduced the practice of assigning a capital letter to the allele controlling the dominant trait and a lower case letter to the allele controlling the recessive trait. The choice of letter is usually based upon the phenotype. Thus we have *C* for colored and *c* for colorless, *etc.* This nomenclature is not universally appropriate, but can be modified for irises. When there are three alleles at a locus, it is standard practice to use superscripts to differentiate the alleles. This would lead to *Pl*, *pl*, and *pl^a* for the three alleles at the plicata locus in irises. It must be remembered that now we cannot tell from the notation which of the two "lower case" phenotypes is dominant relative to the other.

When there are several loci all concerned with the same phenotype, it is common practice to use a hyphenated numeral combination or a subscript to distinguish the loci. Thus in tall bearded irises we have the white-1 locus with alleles *W₁* and *w₁* and another complementary locus involved in the same phenotype that is named white-2 and has alleles *W₂* and *w₂*. There are to date three loci that have at least one allele which when homozygous produces white flowers: white-1 (*w₁*), and white-2 (*w₂*), and plicata all-white (*pl^a*). The recent suggestion[‡] to redesignate these loci so as to emphasize their complementary nature seems unwarranted in view of the historical naming of these loci and the anticipated discovery of other series of complementary loci involved in the production of other pigments.

PROBABILITY

It is convenient to give the expected results of a cross in terms of probabilities since the laws of chance determine the outcomes of crosses. Also, it avoids the problem of being confused by results that do not precisely fit a ratio. For example, consider a coin; each side has a probability of 1/2 of landing up when the coin is tossed. Yet, nobody is surprised if in 100 tosses exactly 50 heads and 50 tails are not observed. Exactly 50 heads: 50 tails is in fact a rare event; one is much more likely to find a result differing by up to three or four from 50:50 than that exact ratio. The results will usually be close to 50:50, but almost never exactly that. So it is in the seedling patch. If a certain color, say white, has a probability of 1/2 of occurring, it would not be surprising to find only seven white flowers in a row of 20 plants. Conversely, given seven white-flowered plants in a row of seedlings from the same cross, it is impossible to say that white had a probability of 1/2; it could have had a probability of 1/4 and still occurred 7 times in 20. If, however, one raises large numbers of seedlings from a given cross, the observed proportions of the various types will be better estimates of the probabilities of those types. This is why the geneticist wishes to raise large numbers from each cross. The tossing of a coin is logically the same as the formation of a gamete and also the "selecting" of gametes to form a zygote. Thus, the rules of probability can be used to predict gamete types and zygote types, hence seedling types, for any cross if one knows the genetic constitution of the parents. Unfortunately, this is not easily determined with irises.

One of the definitions of the probability of an event is the proportion of favorable cases in the total number of possible occurrences;

$$P = \frac{\text{number of favorable cases}}{\text{total number of cases}}$$

This definition is sufficient for our purposes and leads to the following:

- a) an impossible event has a probability of zero, $P(\text{impossible}) = 0$;
- b) a certain event has a probability of one, $P(\text{certain}) = 1$;
- c) the probability of any other event is a fraction between 0 and 1, $0 < P < 1$;
- d) no event can have a probability greater than one, $P \nless 1$.

When two events are considered together, they are *independent* if the occurrence of one has no influence upon the simultaneous occurrence of the other; they are *mutually exclusive* if the occurrence of one precludes the simultaneous occurrence of the other. As examples consider a dice roll; a six on the first die is independent of a one on the other; a six and one on the same die are mutually exclusive. To calculate the probability of two independent events both occurring, multiply the two separate probabilities together. To calculate the probability of two mutually exclusive events, the occurrence of either one or the other, add the two separate probabilities. In the preceding example the probability of a six on one die and a six on the other (boxcars) is $1/6 \times 1/6 = 1/36$; the probability of a six or a one on a single die is $1/6 + 1/6 = 1/3$.

Returning to genetic examples and considering only loci that segregate independently, one can calculate the probability of any given gamete as $(1/2)^n$, where n is the number of heterozygous loci, since the choice at each locus is an independent event. For example, the plant $A/a, B/b, D/d$ can produce 8 kinds of gametes and the probability of any one, say AbD , is $(1/2)^3 = 1/2 \times 1/2 \times 1/2 = 1/8$. When two gametes unite to form a new individual, the genotype is determined by the particular alleles present in the gametes. The union is a random phenomenon so the probability of a given genotype is the product of the probabilities of the two types of gametes needed to produce that genotype. If there is more than one way to get the same genotype, one adds the probabilities for the various ways of getting that genotype since one plant cannot have been produced by more than one and the different ways are therefore mutually exclusive. When this procedure is followed, it is not necessary to work out the Punnett square (Figure 5) which becomes completely unmanageable for more than three loci simultaneously segregating. The probability of a given desired type of offspring can be calculated directly without wasting time on the types one is not concerned with. Given the probability of this type of plant, one has an idea of how many seedlings should be raised in order to be reasonably certain of recovering that type. If you find that the probability of the plant you want is $1/256$, it is not really worthwhile raising only 20 seedlings from that cross — 500 would be much better. As an illustration the genotype $A/A, b/b, d/d$ can result only from gametes Abd which would have probability $1/8$ from the parent mentioned at the beginning of the paragraph. The probability of an $A/A, b/b, d/d$ plant would therefore be $1/8 \times 1/8 = 1/64$ or one in every 64. If A/A looked the same as A/a , then we would find plants with this same phenotype but also of genotype $A/a, b/b, d/d$.

A/a, B/b x A/a, B/b

male gametes		A B	A b	a B	ab
female gametes					
A B		A/A, B/B	A/A, B/b	A/a, B/B	A/a, B/b
A b		A/A, b/B	A/A, b/b	A/a, b/B	A/a, b/b
a B		a/A, B/B	a/A, B/b	a/a, B/B	a/a, B/b
a b		a/A, b/B	a/A, b/b	a/a, b/B	a/a, b/b

Figure 5. A Punnett square for the F₂ of a dihybrid (two loci in the parents had different alleles) cross. This shows all possible combinations of all possible gametes. Since each gamete type is equally likely, the genotype in each square has probability 1/16.

This genotype can be formed by a male gamete *Abd* with a female gamete *abd* or the reciprocal. Each of these has a probability 1/64 and hence this heterozygote has probability $1/64 + 1/64 = 2/64 = 1/32$. This must then be added to the probability of the homozygote to obtain the probability of the phenotype they show: $1/32 + 1/64 = 3/64$. If you wanted to find among your seedlings the particular phenotype having this probability of occurring (3/64), it would be necessary to raise more than 40-45 seedlings to have greater than a 90% chance of finding one plant with the desired phenotype. The appendix explains the derivation of this number and includes a convenient table giving the number of seedlings one should raise to have a 90% chance of recovering the desired phenotype listed according to the probability of that phenotype.

The probability approach to iris breeding may seem strange and un-

familiar to many, but it can be very profitable if there is sufficient knowledge about a cross to make this treatment applicable. In the future articles on tetraploid genetics and the genetics of flower colors I will give further examples of the probability approach. These examples will help to elucidate the procedures involved.

CHROMOSOMAL CONSIDERATIONS

Mendel worked with a group of plants that had two of each chromosome. If we consider one chromosome of each type as comprising a set, then these peas had two sets of chromosomes—these plants were *diploid* (two sets of chromosomes). Each gamete of these plants contains one complete set: it is *haploid*. Modern tall bearded irises contain four sets of chromosomes and are, hence, *tetraploid*. Triploid, pentaploid, octaploid (three, five, and eight sets respectively) and the other terms in this series are self-explanatory given the Greek roots for the numerals. The general term for anything with more than two sets of chromosomes is *polyploid*.

Since tall bearded irises are tetraploid, it should be immediately obvious that the ratios Mendel found and the laws he formulated will not apply *strictu sensu* to tall-bearded genetics. The chromosomes do not exist in pairs, but in tetrads, and two from each group are included in the gametes, instead of one. Consequently, each locus is present four times, and each gamete contains two alleles of the four. It happens, however, that the same laws of chance operate and that the particular two that are included in any gamete are a random sample taken from the four copies present. Thus, a tetraploid of genotype $AAaa$ would be expected to produce gametes with the following probabilities: AA ($1/6$), Aa ($4/6$), aa ($1/6$). The homozygote $aaaa$ from $AAaa \times AAaa$ would have a probability $1/6 \times 1/6 = 1/36$. This occurs under certain ideal circumstances; however, there are two major complications that normally lead to different probabilities. One complication that occurs in tetraploids is recombination; the other complication that occurs in many tetraploids is non-homology of the chromosomes—there are four sets of chromosomes, but the different sets come from different species and are not capable of pairing. Since pairing is necessary for segregation to occur, alleles on chromosomes that do not pair will not segregate from each other at meiosis. Both of these complications and others will be covered in more detail at a later time.

Iris breeders who work with some of the dwarfs, the oncocyclis, and some other irises will find the genetics of diploids to be of some help in planning crosses and predicting their results. For the majority of hybridizers the genetics of tetraploids offers the only framework for predicting and planning. The complications introduced by polyploidy, however, make tetraploid genetics difficult theoretically and virtually impossible practically. The situation is not hopeless though, and insight is possible if one thoroughly understands the basic principles of diploid genetics before attempting to deal with the complexities found in the polyploids. In the future articles of this series I intend to build upon the basics presented in this article. The next two articles planned will deal with cytogenetics and polyploid genetics, and biochemical genetics and flower colors.

FOOTNOTES

§ Since most organisms that have been studied have mutation rates within

this range, it is reasonable to assume that this is approximately the mutation rate in irises also.

† *Garden Irises*, Ed. by L. F. Randolph. The American Iris Society, St. Louis, Missouri. 1959.

‡ Atchison, Alice. 1967. Complementary Gene Basis for Anthocyanin Production. *Bulletin of the American Iris Society* 185: 10-11.

* This symbolism, read $1/2$ to the n th power, means $1/2$ multiplied by itself n times.

APPENDIX

HOW MANY SEEDLINGS?

How many seedlings should one grow from one cross? As a geneticist, my answer would be, "as many as possible;" but a more practical way to attack the question would be to counter with, "What do you expect or hope to get from the cross, and what is the probability of getting that particular type from this cross?" The number of seedlings would then depend upon the probability of what you wanted. There is some intuitive sense to raising more seedlings if the probability of what you want is lower. If all you want is a pink seedling, you need generally raise one or two seedlings if both parents are pink; you would want to raise several seedlings to be sure of getting one pink one if you use one pink parent and one yellow parent that only carries the factor for pink; you would expect to find a pink much more infrequently and hence need to raise more seedlings to get just one if both parents were yellows that carried the factor for pink. The important point here is that the number of seedlings needed can be quantified and therefore one can save effort wasted by growing too few seedlings.

The minimum number of seedlings needed to give a 90% chance of finding one of the desired type is given in the table according to the probability of the desired type. With this number of seedlings 9 times out of 10 ($90/100$) you will find what you wanted. The next column gives the number of seedlings that will give success 19 times out of 20 or 95 times out of 100.

Genetics and experience can both be used to determine what the probability of the desired type is—actually only a rough estimate is necessary. Consider the crosses for pink mentioned above. If two pinks are used as parents, all gametes will contain only pink factors, and all zygotes will have only pink factors: the probability is 1. If one parent is yellow and one pink, the pink contributes only pink factors and the yellow will produce gametes with only pink factors one sixth of the time, assuming it had a pink parent or otherwise acquired 2 pink factors and two yellow factors (tetraploids, remember?). This means the probability of a pink seedling is $1/6$. With two yellow parents like the one just described, a pink seedling would have probability $1/6 \times 1/6 = 1/36$. To compare the number of seedlings required by these three types of crosses find the correct value of P in the left-hand column. If the exact value is not present, use the nearest two values. Reading across the table, one comes to the number of seedlings needed for 90% confidence of success (middle column) and the number for 95% confidence (rightmost column). Thus, to have 95% con-

fidence we need raise only 1 seedling from the first cross, but 17 seedlings from the second cross, and 107 seedlings from the third cross.

Lacking genetic knowledge for a trait, one relies on guesses or past experience to estimate the probability. If you have noticed in several crosses with one plant that on the average 1/3 of the seedlings have good branching, then this is a usable estimate of the probability for good branching in the seedlings, even if nothing is known about the other parent. If we wanted a well-branched pink, and that plant that has good branching on 1/3 of its seedlings is the yellow plant in the preceeding paragraph, then in a cross with a pink, our best estimate for the probability of a well-branched pink would be $1/3 \times 1/6 = 1/18$. The table shows us that more than 50 seedlings should be raised to be 95% certain of success. It should be emphasized that these are minimum numbers and also that when the probability is obtained by a rough estimate one should not place great reliance on the actual number in the table, but only consider it an approximate estimate. Similarly, interpolation between two numbers in the table need be done only roughly, since most probabilities will be only rough estimates, and no great error will result.

DERIVATION OF THE TABLE

If the probability of our desired type is p, then the probability of any other type is 1 - p. If we raise n seedlings, the probability of all of them being of the undesired type is $(1 - p)^n$ since each seedling is an independent event. We wish to have this probability less than 1/10 or 1/20 to insure that there will be at least one of the desired type with probability of 9/10 or 19/20. $(1 - p)$ is less than one; so as n increases, $(1 - p)^n$ decreases. Setting $(1 - p)^n$ equal to .1 and .05 and solving these two equations for n for each given p gives the numbers listed in the table, rounded up to the next highest whole number, for the 90% and 95% columns respectively. Table 1. The number of seedlings that must be raised to obtain at least one plant of the desired type with 90% and 95% chance of success when the desired type has a probability P of occurring.

Appendix Table 1					
Probability P	Number of Seedlings		Probability P	Number of Seedlings	
	Confidence 95%	95%		Confidence 90%	95%
1	1	1	1/30	68	89
3/4	2	3	1/36	82	107
2/3	3	3	1/50	114	149
1/2	4	5	1/64	147	191
1/3	6	8	1/81	187	243
1/4	8	11	1/100	230	299
1/6	13	17	1/150	343	446
1/8	18	23	1/200	460	598
1/10	22	29	1/250	575	748
1/16	36	47	1/300	697	907
1/20	45	59	1/500	1151	1497
1/25	57	74	1/1000	2302	2995

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MINUTES RVP-BOARD MEETING

Hotel Claremont, Berkeley, California

April 28, 1968

The joint meeting of the RVPs and the Board of Directors was called to order at 8:30 a.m. by President Fischer. Present were Vice Presidents Nelson and Bledsoe, Past-Presidents Carney, Rogers and Wills; Directors Allen, Durrance, Varnum, Schreiner, Hamblen, Cosgrove, and Wood; and Committee Chairmen Gatty, Jacoby and Parker.

Mr. Fischer introduced and welcomed the members of the assembly. Present were RVPs or alternates from Regions 1, 2, 3, 5, 6, 8, 9, 12, 13, 14, 15, 17, 18, 19, 20, 21 and 23; and Median Society President Harry Kuesel.

In the absence of Executive Secretary Benson and Treasurer Ackerman, President Fischer presented reports on present membership of the Society and the financial report for the six-month period ending March 31, 1968.

Mr. Clarence Protzmann, RVP of Region 8, reported on plans for the 1969 meeting in Milwaukee. Additional reports were made by:

Mr. William T. Bledsoe, Chairman Judges' Training Program.

Dr. Clarke Cosgrove, Chairman Exhibitions Committee.

Dr. J. Arthur Nelson, Bulletin Editor, Registrar and Awards Chairman.

Mr. E. E. Varnum, Chairman Affiliates and Sections, and National Convention Liaison Committee.

Mr. Ira E. Wood, Chairman Anniversary Bulletin.

Mr. Joseph Gatty, Chairman Public Relations Committee.

Mr. Herbert M. Parker, Chairman Scientific Committee.

Mrs. J. R. Hamblen, Chairman Registration Committee.

Mr. Hubert Fischer, Round Robins.

Dr. Raymond C. Allen, Chairman National Test Garden Committee.

Dr. John R. Durrance, Chairman Regional Test Garden Committee.

Mr. Larry Harder, Youth Committee.

Among the matters discussed beyond the scope of the written reports were proposed changes in exhibition rules; proposed voluntary performance rating formula for AIS Judges; proposed file of black-and-white glossy prints, especially of high award winners for newspaper and magazine distribution; plans for a program to encourage young iris growers by the use of awards at shows and special literature; and the current feasibility, in the light of a possible breakthrough in the cause of scorch, of a research program on its control. Following the informal discussion of reports, the meeting adjourned with the understanding that recommendations from the RVPs would be communicated to the Board for their meeting the evening of April 29.

KAY NEGUS, *Secretary for the Meeting.*

MINUTES OF THE BOARD OF DIRECTORS MEETING

Clarmont Hotel, Berkeley, California

April 28-29, 1968

The meeting was called to order at 2:00 p.m. by President Fischer. Present were Vice Presidents Nelson and Bledsoe, Past-presidents Carney, Rogers and Wills, and Directors Allen, Cosgrove, Durrance, Hamblen, Schreiner, Varnum, Wall and Wood. Absent: Director Buxton, Treasurer Ackerman and Executive-Secretary Benson. Herbert Parker, Chairman of the Scientific Committee, and Joseph Gatty, Chairman of the Public Relations Committee, also attended the sessions.

The minutes of the meeting in Dallas, Texas, November 4 and 5, 1967, as published in the January 1968 BULLETIN, were approved, with the following addition: In membership campaigns, 30 points shall be given for a Family Life Membership, whether or not one or both of the members were AIS members previously.

President Fischer read the financial report prepared by Treasurer Ackerman for the six-month period ending March 31, 1968; and distributed the membership report prepared by Executive-secretary Benson for the same period.

Mr. Nelson reported on the BULLETIN and on awards. It was voted that a committee be appointed to study the awards system of AIS, this committee to make its recommendations at the fall meeting of the Board. Mr. Varnum reported on Affiliates and Sections. Mr. Wood reported on the Anniversary BULLETIN, and stated that Mr. Jesse E. Wills had been named as editor of this publication.

It was voted to clarify the definition for a specimen entry in an AIS-approved iris show as follows: An iris specimen entry consists of a single bloomstalk, which may or may not include foliage growing as part of the stalk. Added foliage, if it is required by the show schedule, will not be judged as part of the entry. (To be added to Rule 2, page 25, AIS HANDBOOK 1965).

The resignation of William T. Bledsoe as Chairman of the Exhibition Committee was accepted, and Dr. Clarke Cosgrove was appointed as the new Chairman. Dr. Cosgrove noted a strong trend toward the cultivar type of show, and plans to develop several portfolios, each containing material pertaining to certain aspects of staging an iris show.

It was voted to approve the following revisions of Guidelines for Training of AIS Judges:

1. He must attend an approved judges training course, consisting of two or more sessions which total at least ten hours of instruction. He must pass a written examination on the material covered in each session. There should be a time lapse of at least six months between sessions, but this time lapse shall not exceed two years. (Revision to paragraph 2b).

2. The RVP may, if approved in advance by the Chairman, Judges Training Program, substitute for one AIS-accredited iris show a two-hour training session under simulated show conditions. This session will be limited to apprentice judges only, with a maximum enrollment of ten, and instruction will be furnished by one or more AIS-accredited judges. (Revision to paragraph 4a).

In computing the 15% quota for each Region under the new rules which become effective on November 1, 1968, the following clarification was passed: . . . all Judges, including Exhibition Judges who have not become full-fledged Judges, will be included in this quota, except the following: Honorary, Senior, RVPs, former RVPs whose membership in AIS has been unbroken since they served as RVP, and accredited AIS Judges who have transferred into the Region within the past three

(3) years, provided they were in good standing as Judges in another Region at the time of their transfer.

Dr. Wall reported on an exacting and careful study of membership trends. He reported that the percentage of members dropping remains rather constantly at 17 per cent, and gains and losses in membership were reflected most accurately in the number of new members each year. Dr. Wall also reported his findings to the RVPs.

Mr. Varnum reported on National Convention Liaison, and Mr. Gatty reported on public relations and the need for black-and-white glossy prints, especially of high award winners, for newspaper and magazine distribution.

Mrs. Hamblen reported on registrations, and called attention to the new application for registration. She reported that there were no changes, but that language had been modified for clarity with respect to the median classification.

Mr. Fischer announced the resignation of Mr. William Krasting as Robins Chairman, and the appointment of Mrs. Peggy Burke Grey as acting Chairman.

Mr. Parker reported for the Scientific Committee, and said that he felt now there would be merit in putting money into a research program for the control of scorch and possibly botrytis. He reported that the Species Committee and the Mississippi experiment were proceeding satisfactorily, and that the University of Minnesota may be enlisted in a disease cure and prevention experiment.

Mr. Schreiner reported that there is a real need for slides of current HM and AM winners, and that anyone who has slides of these irises could send them to him. He can have them duplicated, and return the original slides.

Dr. Allen reported that one of the National Test Gardens had been moved from Fort Worth to the Ketchum Memorial Garden in Memphis. No National Test Garden awards were given last year because of adverse weather and growing conditions.

Dr. Durrance reported that all but three of the Regions had one or more Regional Test Gardens, and expressed the feeling that the Regional Test Gardens could make a meaningful contribution.

It was voted to award the Distinguished Service Medal to Dr. John Wister.

The Board discussed the matter of rising costs and what it hopes is only a temporary decline in membership, and discussed the feasibility of consolidation and centralization of administrative and major functions into one office as a means of effecting maximum operating efficiency at minimum cost.

The meeting adjourned until Monday evening, at which time it was called to order again by President Fischer.

At the request of the RVPs, the title of Regional Vice President was retained.

Mrs. Helen McCaughey, Mr. Earl Browder and Mr. Thomas Jacoby were nominated as new Directors to fill the vacancies of Mrs. Buxton, Dr. Durrance and Mr. Fischer. Mr. Ira Wood was renominated.

The Fred and Barbara Walther Award for the iris receiving the most votes in the Judges Choice ballot was approved, with the design and the size of the award to be approved by the AIS Awards Committee.

It was voted to accept a new President's Cup presented in honor of the late Charles Gordon by Region 20, to replace the old one which is in bad condition and considered uneconomical to repair.

It was voted to hold the Fall meeting of the Board the first weekend of November in Chicago.

At the request of Mr. Wills, Dr. Nelson was appointed as co-editor of the Anniversary BULLETIN.

At the request of the RVPs, the following were adopted:

1. A copy of the second notice of delinquent dues will be sent to the RVP.
2. All new members will be counted for the Region in the membership campaign, whether or not they go through the RVP. Credit for upgrading an annual membership to a triennial or life membership will be given.
3. Judges who move their residence to another Region may be carried on the judges rolls of the receiving Region for a maximum of three (3) years without their being charged against the fifteen per cent quota of the receiving Region.

Authority was granted the Scientific Committee to commit a maximum of \$2,000 for research on scorch and \$1,000 on botrytis, during the next two-year period. Details will be given later by the Chairman of the Scientific Committee.

Upon motion, second, and vote, the 1968 Spring meeting of the Board of Directors was adjourned.

KAY NEGUS, Meeting Secretary.

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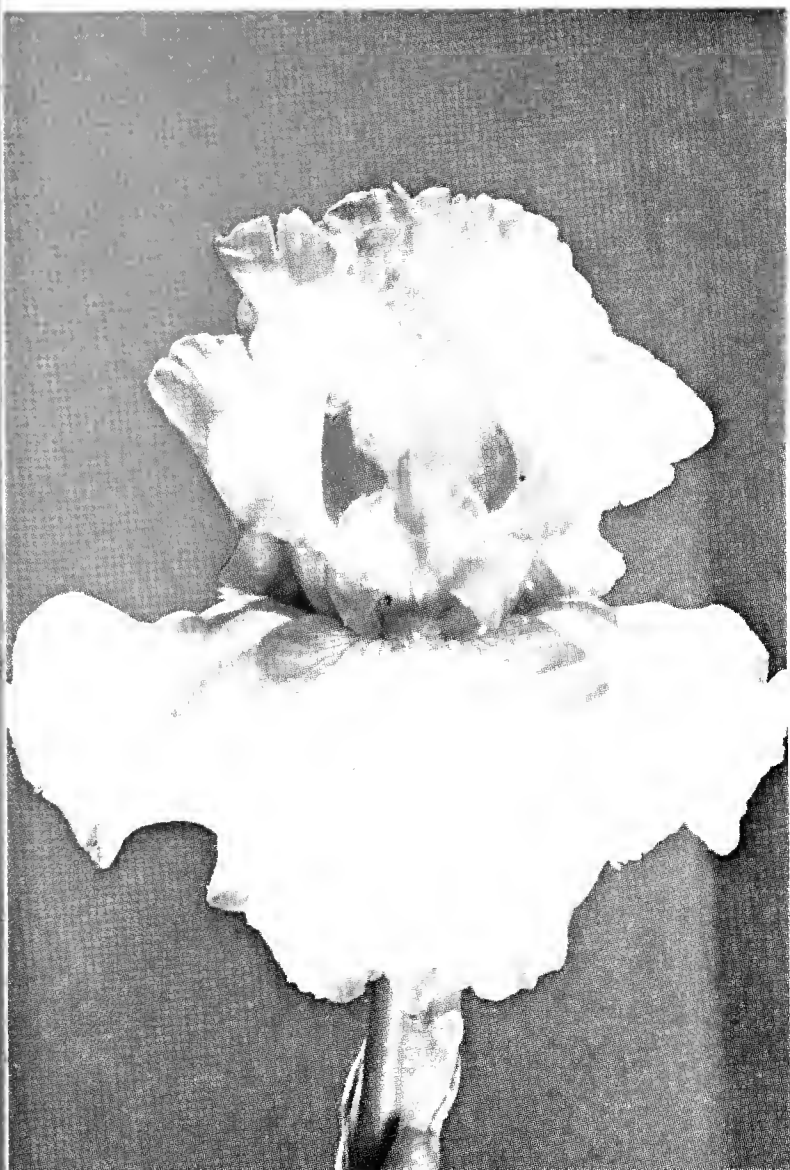
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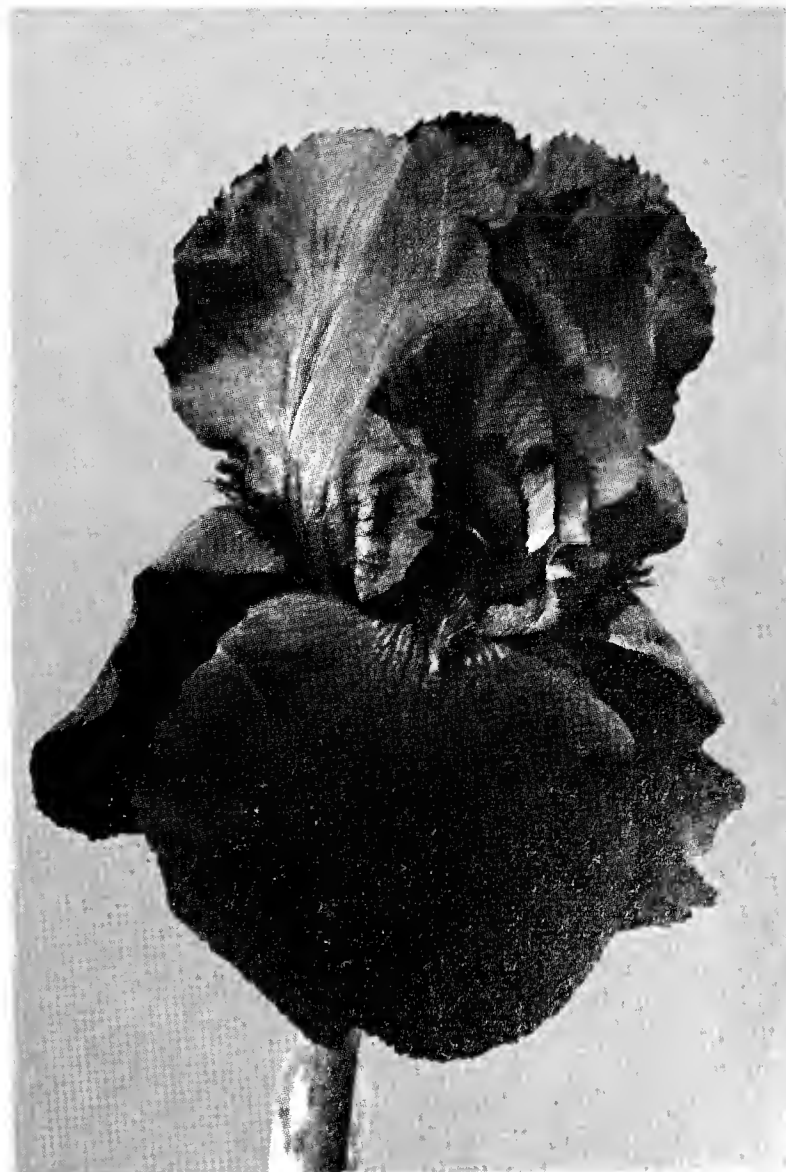
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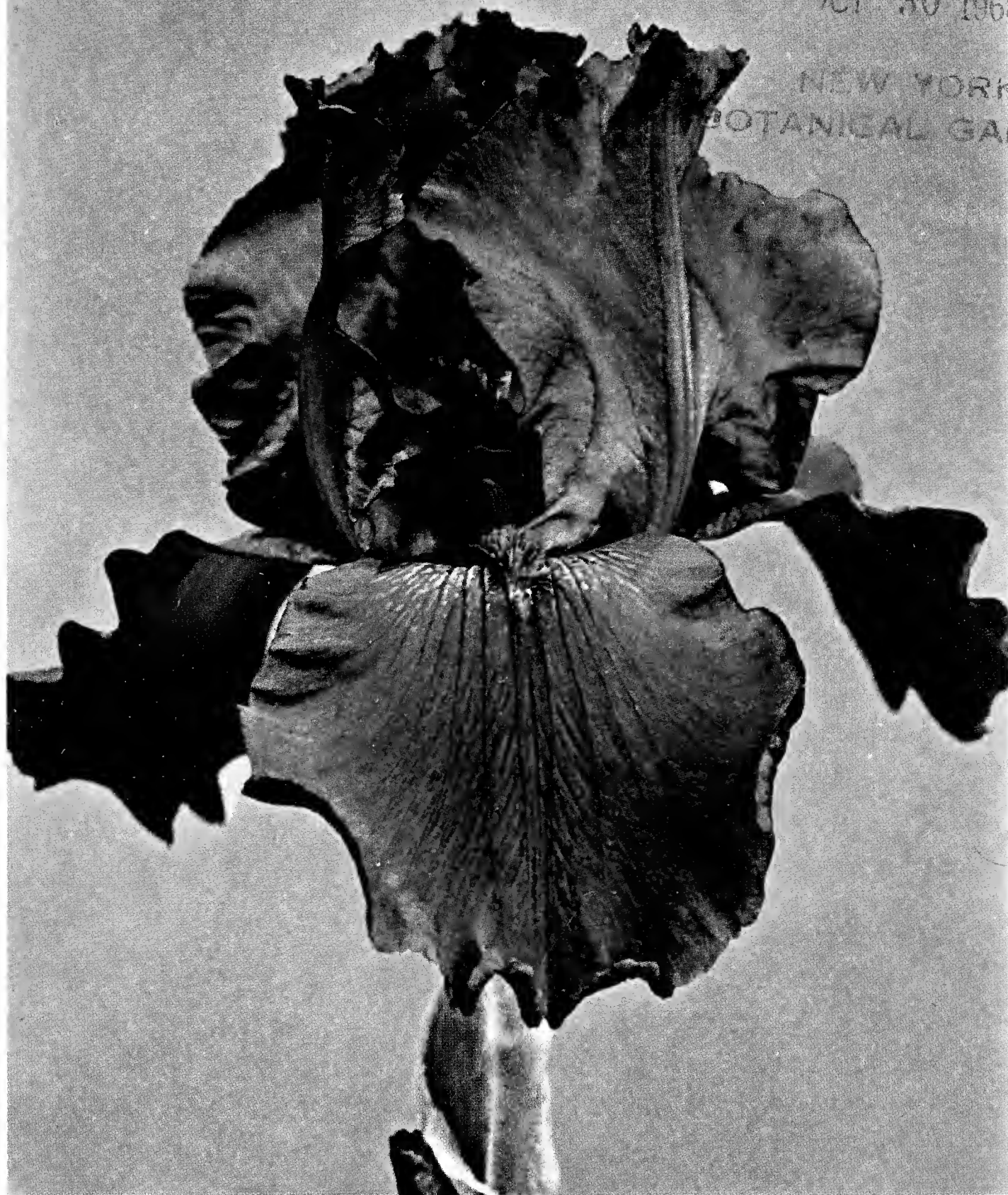
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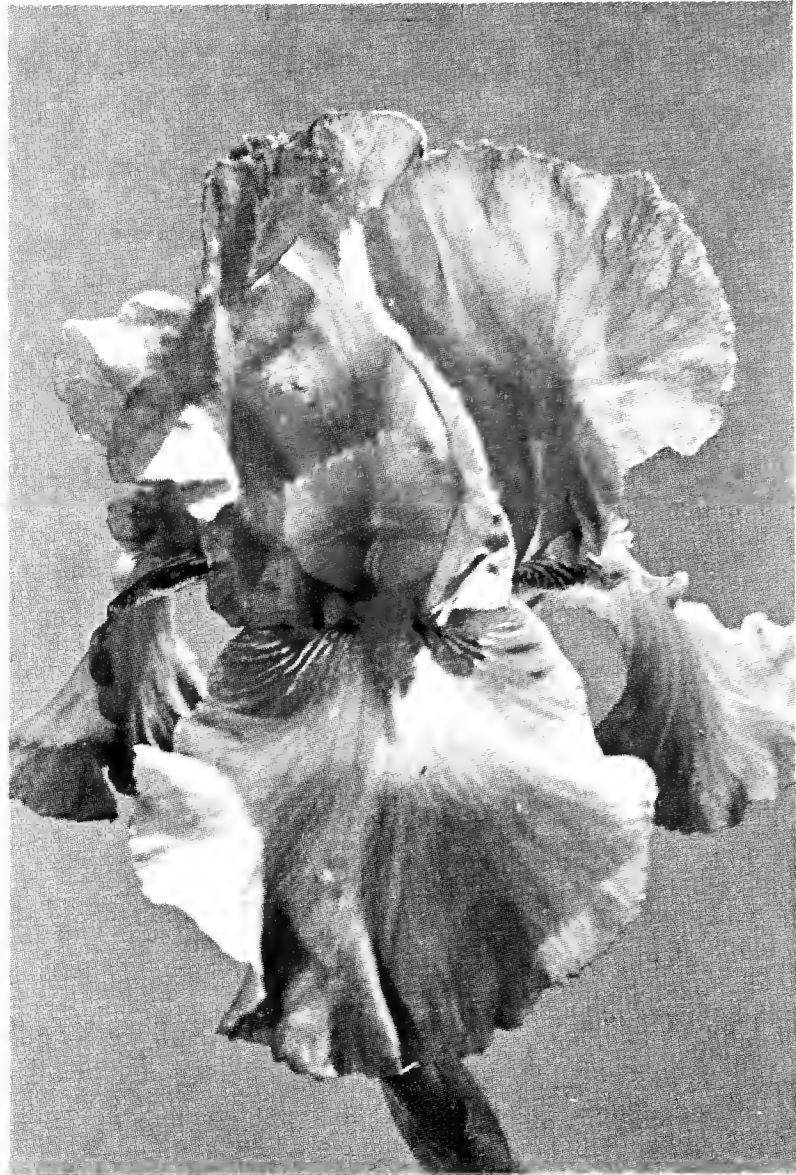


BULLETIN OF THE
American Iris Society

NUMBER 191 OCTOBER 1961



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THE BULLETIN

of the

AMERICAN IRIS SOCIETY

NO. 191

OCTOBER, 1968

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The *Bulletin* is published quarterly by The American Iris Society. Publishing office 2315 Tower Grove Blvd., St. Louis, Mo. 63110. Second-class postage paid at St. Louis, Mo., and at additional mailing offices.

Communications regarding membership in the Society, advertising, and other items of business should be addressed to Mr. Clifford W. Benson, Executive Secretary, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

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All copy due in editor's office forty-five days before first of the month of publication.

The *Bulletin* is printed by The Livestock Press, Inc., 2830 "O" Street, Omaha, Nebraska 68107.

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Substance very heavy, with each flower lasting for days. Branching good. Entirely fertile both ways.

From The President's Desk

This is my last President's Message, and I cannot help looking back to fifty years ago, when my garden contained only a few unnamed iris varieties. This garden, about twenty-five feet square, was in a congested area in Chicago, and in it we grew every kind of annual and perennial that could be crowded into it, with even a wild garden in a shaded corner. It definitely was overcropped. I had a pale yellow, a white and a blue iris which proved to be *FLAVESCENS*, *FLORENTINA ALBA* and a *pallida*. There was no American Iris Society and the only source for additional varieties was a local seed catalogue, from which I selected a fragrant white named *FAIRY* and a medium blue called *GERTRUDE*. It was the era of World War I, and when I was called into the army, I was fortunate to have a girl friend who loved flowers, and she tended the garden while I was at war. When I returned in 1919, Marie and I were married, and we bought a plot of ground with a house on it, in the suburbs. It was the double lot which attracted us. The grounds were wild and neglected, but we found several huge clumps of irises which we carefully separated into single rhizomes and edged the newly laid out garden with them. When they came into bloom the garden was surrounded with flowers of golden standards and brown streaked falls. These were *HONORABILE* (other spellings) and they bloomed and multiplied and spread until they overwhelmed us.

When we heard about the American Iris Society, we joined it, about 1923, and began receiving catalogues and iris lists; and we visited gardens of members, making lists of those we liked and buying what we could afford, in those days usually not over a dollar. Then the various colors were separated into classes—*pallidas*, *variegatas*, *neglectas*, *amoenas*, *plicatas* and *squalens*—and the bearded were tall, intermediate and dwarf. We grew them all, including many beardless, *evansias* and *arils*. They dominated the garden and ours became known as an iris garden.

In later years, with the arrival of the spectacular varieties from Europe, the principal interest was focused on the tall bearded class, and before long we were engulfed in a flood of new introductions. One catalogue listed The Hundred Best each year. The rating system was started, but judges usually rated the new ones consistently high, and ratings were abandoned as unsatisfactory. A suggestion that a committee of judges be appointed to pass judgment on new varieties before they could be registered died "aborning."

Because of this intense interest in the tall bearded class, members who were interested in other classes started their special interest societies. Many of the local societies had only a few AIS members. But with the change of time and broader perspective, AIS charted a course to be an all-encompassing iris society and to give local societies a closer tie with the national society with affiliate status. Five of the specialty societies now are Sections of AIS, and we have over seventy affiliate clubs. With representation on the editorial staff, the Sections have had more space and articles, with several Bulletins giving some major space to specialty irises. In the process their awards have been increased and their hybridizers honored. I am proud to have had a part in this transition, for I am convinced that it is in the right direction.

The Judges Training Program, which at first met with some opposition, now has been accepted with enthusiasm, has upgraded the standard of judging and made the awards more meaningful. More shows are being held each year, including those of the special interest groups. More awards have been added, increasing the burden of tabulation; and a committee has been appointed to review the awards structure and to establish a pattern against which award requests may be reviewed.

The Robins continue to fly under a new and efficient chairman. We have attained closer working relationships with the RVPs with our breakfast meetings, at which the committee chairmen report, and with their representative sitting in on Board meetings. The Scientific Committee is active, and encouraging reports that there may be a breakthrough on scorch and botrytis have prompted the Board to release funds to help in research. A Convention Liaison chairman has been appointed to give any help we can to convention committees. The work on the Golden Anniversary Bulletin already has started, with some manuscripts already in. Its emphasis will be toward the history of the Society and the development of irises.

We plan to increase the effectiveness of the Public Relations program through wider distribution of news and photographs. The request for a special issue postage stamp for 1970, using the AIS seal for design, is on file with the postal department, and while favorably received, will not be acted on until 1969. I shall pursue this further at the proper time. The National Test Garden program had difficulty last year, due to weather conditions and location. Some changes are being made, and with the cooperation of the Region Test Gardens, the program will be continued. The Youth Program has had difficulty in getting started, but much preliminary work has been completed and there should be some real action in the coming year. The Bulletin, sensitive to the needs of the Youth Program, has some items stressing youth in this issue.

The drop in membership last year and early this year caused some concern, but I am happy to report that this trend has been reversed. While it is difficult at the time of this writing to make an accurate judgment, because this is the time of the year the C group renews, we do have some hopes that we are near or even at an all time high. Increased membership is absolutely necessary if the services of the Society are to continue at the present rate. All possible avenues of economical operation are being explored so that the size of the Bulletin, the pictures and the color may be continued. Constructive criticisms and suggestions always are welcome, but words of appreciation are also. Some of the letters received complimenting the Bulletins were most welcome. If you like the Bulletins, why not tell your Editor; a bit of encouragement goes a long way to help smooth the path.

In retrospect of the last few years, there is satisfaction in knowing that some of our goals have been achieved and that others will in the future. To mention names of those who have worked for the Society, many far beyond the duties of their assignments, would be to go down the entire list of officers, Directors and all the chairmen and their committees. To them my sincere thanks for their help and encouragement. I also want to express for the Society our thanks and appreciation to those groups who have sent contributions for the Scientific Fund; and especially thanks to Bob Brown, Chairman of the Berkeley convention and to Region 14, for their generous

check of \$937.57, which was the surplus from the convention funds. It is to be used where needed or deposited in the Scientific Fund.

The correspondence during the past years has been at times quite voluminous and time consuming. The foreign contacts made through the preliminary survey for the proposed International Symposium have been most interesting, and continue on a personal basis. Unfortunately, because of unsettled world conditions and lack of AIS funds, the project had to be postponed; but the response has been so encouraging that it again will be pursued if means to support it can be found.

The recent IN MEMORIAM pages have had a disturbing effect. We will miss our old time friends; their passing has cast a shadow on what otherwise has been an exceptionally fine year in the garden.

The rainbow trail has been a long and pleasant one which we will continue as long as possible.

HUBERT A. FISCHER

SAVING IRISES

MRS. ELLEN K. CROUCH

Among the various remedies suggested for soft rot I suppose each iris grower has his favorite. Those who want one which is easy to get and to use should consider the household cleansing powders containing a chlorine bleach. Just scrape away all the mush, down to firm tissue, apply the cleanser, and leave the area exposed to air and sunshine for a day or two.

By prompt action, a bloomstalk bearing a pod can be saved from rot with the same treatment. Such a stalk should be staked carefully, since it will be weaker with part of its substance gone. (I did this successfully this year and kept the stalk several weeks longer.)

Perhaps you have read that an iris will sometimes bloom from all fans, leaving no increase for next year. One of my reblooming irises skipped its first spring in my garden this year and bloomed in July. It had three fans, each with a stalk, and no increase in sight. Since I didn't want to lose the plant, after it started blooming I cut all the stalks, leaving about six inches of bare stalk showing above the fan. (All branches and the short leaves with them were removed.) I dusted the stalk ends with a household cleanser to prevent rot. Increase has since appeared, and the original fans still look fine. I can't be certain this would work in the spring, but it seems well worth trying. The stalk can't be removed entirely without either taking the whole fan of leaves, too, or else leaving a water-holding cup in the center which might easily lead to rot or other problems. By keeping the leaves and most of the stalk (and treating it to prevent rot) the mother plant may be kept going long enough to provide increase. With six inches of bare stalk there is enough that a further cut and treatment could be made if necessary. The fact that the leaves around the stalks on my plant are still in good health shows that the leaves do not die as soon as the bloom is finished. I have been inspecting the stalks once or twice a week. So far, they have turned brown and pinched in about an inch down. Yellow coloring would indicate rot (as I discovered early this summer!) Unless rot forces earlier action I'll wait until the increase are 4-6 inches tall to remove the old fans and stalks.

The Big Challenge . . . A Red Iris

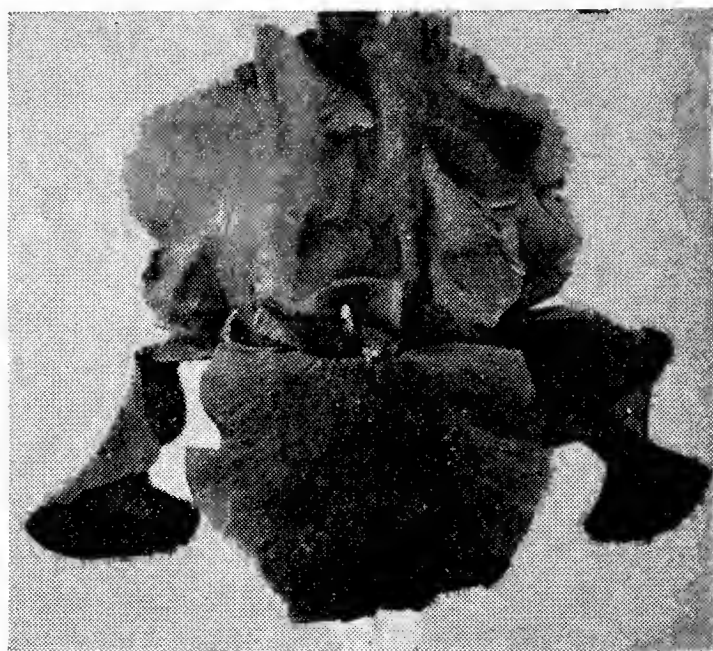
ROBERT SCHREINER

In the passing of time, the search for the unusual has stimulated enterprise and creativity. The desire for a red iris instituted such a search by hybridizers interested in this goal that is one of the most interesting chapters in the evolvement of irises.

In 1927 the Iris Society of England struck a commemorative medal honoring their great iris personality, W. R. Dykes . . . iris authority, taxonomist and author. This medal, known as the W. R. Dykes Memorial Medal, is awarded yearly to one iris in America and one in England. It is fitting that the first iris to receive this award in the United States was the variety SAN FRANCISCO. It was the first of the large flowered plicatas stemming from the gardens of the iris breeding genius, William Mohr. The second American iris to become the recipient of this coveted medal, in 1929, was the red iris DAUNTLESS, originated by Mr. Clarence Connell of Nashville, Tennessee. It is significant that recognition of a new and novel color was acknowledged by this choice.



COOK-LAPHAM BOWL



JEWEL TONE (Schreiners '66)

As a special recognition, the American Iris Society recently instituted a special award to be bestowed to a variety selected by the judges of AIS as an outstanding new red iris creation. This award, known as the Cook-Lapham Cup, is dedicated to the memory of two special men, Paul Cook and E. G. Lapham. Both were vitally interested in the origination of finer new red varieties. Their hybridizing efforts contributed greatly to the advancement in this color class. Many people, however, from all over the world, have helped to present this new iris color to the iris hobbyist's gardens.

LACK OF RED PIGMENT IN IRIS SPECIES

To fire the challenge to develop iris in this color class was the fact that not a single iris species, or source, in bearded irises existed with really red pigmentation when this quest began fifty years ago. Hybridizing skill was needed to develop such a color. Yet the demand for a red iris was so great, and interest so keen, that many breeders took up this challenge. They had

to start from bedrock. As so often happens in efforts of this sort, the concentrated search for red in turn brought side effects. It developed other beginnings of strains and types of epochal importance, as far afield from red as deep indigo black, in one case!

Turning back the pages, our story of red irises begins around the year 1917 when Mr. A. J. Bliss of England produced and named iris DOMINION. DOMINION wasn't red at all. It was a deep blue-violet with very velvety, plush-like falls. But it was a thunderclap in the plant world. In discussing this iris, Bliss mentioned that its significance had some parallels with experiences plant breeders in Holland were having in their genetic research when they named a special large form of the oenethra "gigas". Today this term is not used, but the phrase tetraploid is. This is exactly what DOMINION was—a tetraploid—one of the first such plants in the iris family with extra chromosomes. Tetraploids, because of their greater number of chromosomes, yield not only plants of larger than average size, but thicker petals, stronger stems; and they also offer infinite potentialities for new combinations of shades, tints and hues within the genetic complex of a single plant. For a decade irises of the DOMINION race, with these new, superlative qualities, represented the acme of perfection.

This significant breakthrough seemed to trigger other advancements. Descendants of DOMINION began to be imported into America in the early 1920's, and soon our American breeders were making crosses and raising seedlings by the thousands. Out of this mass production, hopes soared for the elusive, hidden, new recombinations of genetic complexes that would give a start on the path toward the red iris.

The first contributor, and keystone source of the early red "blood lines" in the 1920's, was J. Marion Shull of Maryland. An employee of the United States Department of Agriculture, author of one of our first books on the iris published in America, "Rainbow Fragments," and a skilled water colorist who illustrated many early irises quite exactly, Mr. Shull hybridized for the red iris as a hobby. His creation MORNING SPLENDOR (1932) proved to be a heavy contributor to future breeding. Other irises to come from Mr. Shull were TROPIC SEAS and JULIA MARLOWE.

Three other important workers in this field at this time lived in Indiana. Mr. E. B. Williamson, a banker, whose other hobby was the study of dragon flies, and Paul Cook, a rural mail carrier, whose hobbies were nature and irises, were two of these. Both of whom lived in Bluffton, near the Wabash River. Originally they were associated in a business called Longfield Iris Farm. This ended after a time and each went forward independently, yet keeping in touch at all times. Williamson developed an iris as important as the renowned DOMINION, and this variety was LENT A. WILLIAMSON. Later this iris served as parent to varied and valued generations. Paul Cook became a truly great student of iris heredity and carried on a line breeding program of classic design. He is one of the men commemorated by the Cook-Lapham Cup. The third Indianan working toward red was Mr. E. G. Lapham. A manufacturing firm official, Greg Lapham raised poultry, irises and gladiolus as a hobby. He specialized in Bantam Partridge Wyandottes in poultry and from them drew invaluable hereditary ideas. He was interested in the creation of red irises and blue gladiolus. Eventually, by using fellow Hoosier Cook's accomplishments as a basis, he became well

known for his red iris varieties. And eventually, fortunately and providentially for the iris world, his interest in the red iris overpowered his search for blue gladiolus, and he went all out for the search for the red iris.

Meanwhile in Nebraska, near Omaha, two corn farmers, brothers, Hans P. and Jacob Sass, who had inherited their mother's love of flowers, were blazing their own trails in developing irises. In time, they made important contributions in the quest for reds. In one of Hans Sass's early letters he made the statement that it looked as if the red iris could be obtained by crossing blue and yellow irises. This statement sounded almost absurd at the time. However, the understanding that Hans Sass had of the manner in which iris colors *mix* demonstrates that he understood then what escaped many other contemporary iris breeders for nearly fifteen years. Red irises today are a composite of the yellow and the blue (anthocyanin) colorings present in the iris color spectrum.

EARLY BREEDERS LAY CORNERSTONES

In mentioning these industrious hybridizers, acknowledgment is freely given to many other breeders who also were trying their hand at achieving a red iris. Space does not permit a complete survey of each. However, the early, trail blazing first combinations that followed Bliss's DOMINION, CARDINAL and BRUNO, contributed important building blocks in red progression, especially BRUNO. When CARDINAL was introduced in 1919 it sold for \$45.00 and was offered as one of the best of the DOMINION strain. Today we ponder. It is hard to see how it could have been called red, yet it was of immense value in using for reds.

In Cincinnati, Ohio, Dr. Wylie Ayres and John D. Wareham (a pottery manufacturer), were using DOMINION in their crosses. Soon some of their achievements were offered to the public. INDIAN CHIEF, RED DOMINION and CHEERIO from Dr. Ayres; TIGER-TIGER from Mr. Wareham. These, along with Mr. Shull's MORNING SPLENDOR, were some of the cornerstones. Without these, advancement would have been most difficult.

NEBRASKA FOCAL POINT

In addition to DAUNTLESS, which was an early winner of the Dykes Medal, the only other red iris to win this great award in subsequent years was THE RED DOUGLAS, the winner in 1941 and an introduction of Jacob Sass. Other popular reds from the brothers Sass included JOYCETTE (1932), SOLID MAHOGANY (1944) and the most important of all, a veritable little giant sire in red breeding, KING TUT.

Paul Cook, using his principles of line breeding, started his famous "red family breeding program", as he fondly called it, making use of Shull's MORNING SPLENDOR, Williamson's CINNABAR and B. H. Farr's SEMINOLE. Mr. Farr of Wyomissing, Pennsylvania, was one of America's pioneer nurserymen. Cook selected these parents as the reddest irises of that day. He then proceeded to cross, intercross, back cross and constantly slough off the less red progeny until his line was showing a uniformity of color he desired. One of his first to be named from this intensive program was E. B. WILLIAMSON (1937), in memory of his good friend and associate. Paul Cook's further work yielded REDWARD (1942), COPPER ROSE (1941) and CAPTAIN WELLS (1942). His discerning selection, resulting in a strain "fixed" for red color and good habit, has been profitably used by subsequent red breeders.

Paul Cook's breeding technique was not lost on his Indiana neighbor, Greig Lapham. Mr. Lapham's plan was to select the best reds of different strains, combine them, and select the best progeny. He, in contrast to Cook, reached out to use the best available from all breeders. Some of his red accomplishments were CHRISTABEL (1936), RED GLEAM (1939), EDWARD LAPHAM (1942), and PACEMAKER (1950). From Mr. Cook and Mr. Lapham came many of the studs for future red irises. The Cook-Lapham Cup recognizes their mutual contributions.

Close on the heels of the Cook, Sass, and Lapham iris, came Mrs. C. G. Whiting's iris, GARDEN GLORY. This iris came as an amalgam of Sass and Grinter irises. So the scene shifts to Iowa. In turn, GARDEN GLORY yielded Chet Tompkins' DEFIANCE (Chet at that time lived in Iowa). Both Mrs. Whiting and Tompkins were inspired by the work of the Sass brothers of Nebraska. I have never heard an explanation that is satisfactory to me of what happened relating to the birth of the iris DEFIANCE. In DEFIANCE the red genes must have had a real shaking up, or realignment, in a most fortunate manner. While the stature of DEFIANCE leaves something to be desired, it is a matter of record that this iris was the next epochal variety, probably as important in its way in contributing to red advancement as DOMINION was in 1917. The contribution to red color was tremendous.

A PAUSE—NEW GENESIS

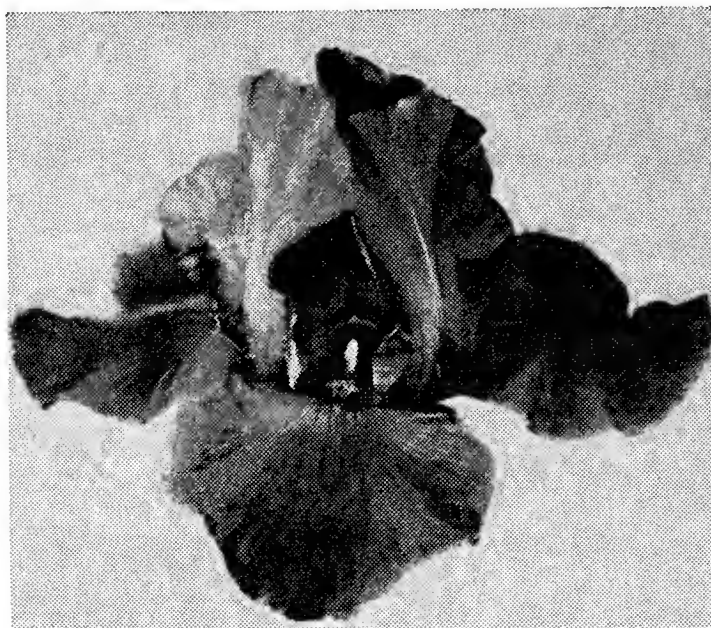
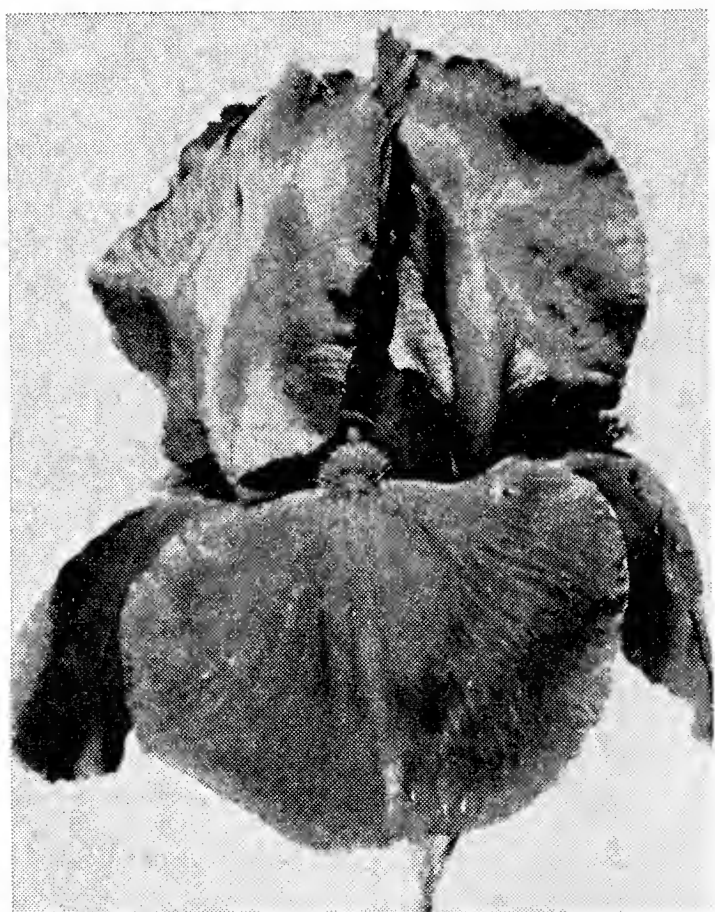
In the phase of red iris breeding, around the 1940's and 1950's, an interesting "reaching out" effort occurred. While my theory is conjectural, it is my belief that this variance from old patterned red iris breeding had opened a new road. Recall Hans Sass's statement. Originally when wild blue iris color and wild species yellow iris were crossed, a type of iris resulted that we call 'blends', an admixture of colors. Such is what happened when *I. pallida* was mated with *I. variegata*. Neither color won dominance over the other. As our flowers improved with time and special particular shades of anthocyanin were mated with special selections of yellow pigmented varieties, not only did red irises improve, but other colors and variants evolved as well. The contrast of varieties extant in the 1925's, 1945's, 1955's, and 1965's are chapters of metamorphosis to newer beauty. The blend types first heralded by the iris variety JEAN CAYEUX in the 1930's, or ARGUS PHEASANT in the '40's, or newer blends as INCA CHIEF or ETERNAL FLAME—all have kinship to the red iris in assemblage of color matter.

SOME INTERESTING GENELOGIES

For the more technical minded, perhaps some of these "family trees" might be of interest, a sort of passing parade of the "Red Rainbow." Incidentally, the word 'red' iris conveys a variety of mental pictures. To some a red iris must be a crimson based color. Another responds to the warmer orange, or chestnut shaded, reds. Still another hybridizer avers that reds have a great deal of magenta in them. He calls these Rembrandt reds. How fortunate we do not have to settle for just one color value of red. We have so much variety in this particular color, even as the entire range of color in the iris flower is so generous and wide, with many hues and facets of color. But to the ancestry: A review of the Cook-Lapham winners might be of considerable interest.

1963 CAPTAIN GALLANT (Schmelzer) results of intercrossing of Tompkins seedlings. Definitely a DEFIANCE progression.

- 1964 JUNGLE FIRES (Schreiner) (((ARGUS PHEASANT x PACEMAKER x BRITTANIA)) x DEFIANCE)))
- 1965 TOMECO (Suiter) OWYHEE x ((CAPT. WELLS) x BURMESE RUBY) x TECHNICOLOR))
- 1966 GYPSY JEWELS (Schreiner) (CALDRON x seedling N 595-1)
- 1967 FRONTIER MARSHALL (Schreiner) (TRIM x TALL CHIEF) x GYPSY JEWELS
- 1968 JEWEL TONE (Schreiner) (((CASA MORENA x BURMESE RUBY) x (ORELIO x PACEMAKER) x TRIM) x TOMECO



FIRE BALL (Schreiners '67)

FRONTIER MARSHALL (Schreiners)



I cannot ascribe any particular stroke of brilliance to the results in the program of red iris breeding we at Schreiners have been carrying on. Progress has been rather slow. If there has been any formula, I wonder if this, possibly, might have been the way it evolved. As the iris public viewed the irises present in gardens in the 1940's that were called red, there were two striking deficiencies that seemed first to cry out for improvement. 1. The stature, compared, for instance, to blue or white irises, was inferior in quality and height; and 2. good habit. Since it seemed that nowhere within the germ pool of reds could such features be found, a casting about suggested the use of finer blend irises, particularly the browns and tans. A detailed study will reveal the infusion of considerable brown iris injections into the red family. Mr. DeForest, for one, was particularly active in this area. It is no mystery that iris like CORDOVAN, ARGUS PHEASANT and other brown blends were used. They had valuable features missing in reds at that time. Another extremely important feature that came unexpectedly was the introduction of the iris TRIM in 1956. This iris was raised in Massachusetts by Wm. J. McKee, one of the AIS's past presidents. TRIM brought a stem with many buds and was well branched, features completely unique in red irises. From the first we made liberal use of this forward advance in garden plant habit, and the liberal dosage of brown blends laid the groundwork from which we have selected some of the red seedlings we thought the

garden public would enjoy. While it was early in our now more intensive work, we felt from the outset that CALDRON (1957) was a valuable breeder. So it turned out to be. Our program continued to pursue a red with a stem and habit equal to those in the blues and the whites. Efforts in this line did not give spectacular color, but when we got FIRE MAGIC we got a stem which we had not visualized could arrive so quickly. Other varieties with good stems and habit and attractive color that followed FIRE MAGIC were BARBIZON (1961) and FRONTIER MARSHALL (1965).

Part of the joy of hybridizing surely comes from the knowledge that one is doing something creative. So as we look at the red iris now, we note, yes, they *do* have nice stems and better branches. The flowers *are* larger and the colors *are* richer. But—they seem to lack an airiness, a lilt, that irises of other colors possess. Few ruffles or fluting. So here is the challenge again. How can we get more revolute, ruffly petals? It has been our good fortune to note that our two most recent irises in red, WAR LORD (FIRE MAGIC x GYPSY JEWELS) and its cousin VITAFIRE (TOMECO x GYPSY JEWELS), both offer a pleasing advance in this regard. It is interesting to note, too, that GYPSY JEWELS is in the family tree of both and it had ever so slight a ruffle; not much, but it was there.

The future . . . I sincerely believe that redder irises will arrive. I think the steady work of trying this cross, then another, then another, will eventually uncover the next wonder. If we knew how to do it, we would hop to it. But in the meantime, we will build on what we have and when it's iris-time again we will rush out each day . . . "anything new show up?"

The Quest For Red

THE EDITORS

The quest for red is the name of the game. For a half century or more there has been an intensive program to bring that "fire engine red" into the realm of irises; and for those to whom the epitome of garden glory is that pure red identified in the Wilson Color Chart as 22 (crimson), 722 (cherry red) and 822 (cardinal red), there has been a concentrated, almost consecrated, program for its development.

The quest for red, from its beginnings from antecedents that were more brown (dark orange) or red-violet (purple) than red, from parents that were more bitone than self and often were badly haft-marked and all too often were short, to today's red, is a fascinating story that deserves more study and space than we can give here. But perhaps a thumbnail sketch of the bloodlines of the reds of today, the Cook-Lapham Bowl winners and the consistent runnersup, and those that are popular today or seem to be emerging on the horizon of popularity, will be of some help as a start to the serious student of red lineage.

There have been six Cook-Lapham Bowl winners. The latest, JEWEL TONE, is a cross of a TRIM seedling and TOMECO. On the TRIM side one notes RED GLEAM three times, twice through MOONTIDE, and CASA MORENA appears twice and PACEMAKER once. On the TOMECO side, the RED GLEAM-BURMESE RUBY line appears again, with GARDEN GLORY and the ROCKET-TECHNICOLOR line.



TOMECO (Suiter, '60)



GYPSY JEWELS (Schreiners '63)



BERMUDA HIGH (Tompkins '64)

GARDEN GLORY (Whiting '43)



FRONTIER MARSHALL, the 1967 winner, again shows the TRIM line, and TALL CHIEF, tracing back to GARDEN GLORY and to two separate lines of browns back to TOBACCO ROAD. CASA MORENA appears again. On the other side of the pedigree, it goes back again to GARDEN GLORY and another TOBACCO ROAD line of browns, and again to the GARDEN GLORY-ROCKET-TECHNICOLOR line. ROCKET appears a second time on this side of its pedigree. RANGER appears once.

GYPSY JEWELS, the 1966 winner, brings through CALDRON the RANGER and GARDEN GLORY lines, and again a TOBACCO ROAD based line of browns. On the other side, PACEMAKER is introduced, together with the GARDEN GLORY-ROCKET-TECHNICOLOR line, and ROCKET appears yet a second time.

The 1965 winner, TOMECO, has the RED GLEAM-BURMESE RUBY line on one side, and the GARDEN GLORY-ROCKET-TECHNICOLOR on the other.

JUNGLE FIRES, the 1964 winner, goes back to GARDEN GLORY, PACEMAKER, CASA MORENA and ARGUS PHEASANT, a child of TOBACCO ROAD, on one side; on the other it traces back again to CASA MORENA and the GARDEN GLORY-ROCKET-TECHNICOLOR line through DEFIANCE.

We were able to trace CAPTAIN GALLANT, the 1963 winner, on only one side of the pedigree, but here again there is the CASA MORENA influence through EBONY ECHO and the GARDEN GLORY-ROCKET-TECHNICOLOR line through PRIVATEER.

BANG, a perennial runnerup, departs from the pattern with SAVAGE on one side, but it also introduces the TOBACCO ROAD-BRYCE CANYON-CORDOVAN line in the other. MAIN EVENT, another high vote-getter, is the only one of the lot that shows SNOW FLURRY in its pedigree, and on the other side it goes back to the BRYCE CANYON and RED GLEAM-MOONTIDE lines. The third of this group, RED SLIPPERS, is a child of GARDEN GLORY from CAPE BON-CASA MORENA-EBONY ECHO lines.

EDENITE, a child of GREAT DAY, traces back to the GARDEN GLORY-ROCKET-TECHNICOLOR line and again to ROCKET on one side; and to SABLE NIGHT on the other.

WAR LORD, a new star on the horizon, shows the RED GLEAM-MOONTIDE-TRIM heritage on one side, and on the other traces back to RANGER and PACEMAKER and the GARDEN GLORY and ROCKET lines twice. VITAFIRE is a TOMECO-GYPSY JEWELS cross, and these have been referred to earlier in this article. NATCHEZ TRACE, scheduled to be introduced for Jesse Wills by Cooley in 1969, introduces new lines, and interestingly enough, traces back to PRAIRIE SUNSET-LANCASTER crosses twice and once to BRYCE CANYON.

TALL CHIEF goes back to GARDEN GLORY, to three separate lines of brown, and to CASA MORENA twice. TILLAMOOK goes back to the GARDEN GLORY-ROCKET-TECHNICOLOR line through DEFIANCE and to TOBACCO ROAD and to CASA MORENA and two other yellow-orange blends. CAROLINA RUBY is a BANG seedling. CALIENTE derives from BANG, HUNTSMAN, PACEMAKER and the GARDEN GLORY-ROCKET-TECHNICOLOR line through DEFIANCE. BERMUDA HIGH goes back to TOBACCO ROAD and MEXICO, and shows three separate crosses into the GARDEN GLORY-ROCKET-TECHNICOLOR line through DEFIANCE. CALDRON has the RANGER, GARDEN GLORY and TOBACCO ROAD-BRYCE CANYON-CORDOVAN influence. CHECKMATE has PRIVATEER on both sides of its pedigree, and through it back to CASA MORENA and the GARDEN GLORY-ROCKET-TECHNICOLOR line. This same

general line is introduced also in other places in its pedigree, as is RANGER and an onco seedling from Tell. RUBY MINE is a TRIM seedling, referred to before; and introduces two separate lines of TOBACCO ROAD brown and yellow-orange blends.

What lessons are to be learned? This would appear to need more careful study, but it seems that Agnes Whiting's GARDEN GLORY is cast in the role of Queen Mother in the development of reds, and it also appears that the dark oranges (brown) and the yellow-orange and orange-yellow blends play an important role.

Greig Lapham and Red Irises

EARL T. BROWDER

In the very beginning he knew he embarked on an undertaking that could never end. Despite this all-but-certain knowledge he yet went ahead. He would not produce the best form or the most desirable habit or perfect branching. Others could do that. As for Greig Lapham his mission would be to produce the color red in an iris. And it was early 1923.

He studied. He asked questions. He listened. He looked. Out of this school room came the fixed reasoning that the color red would not come to him by chance. In fact, he did not want it by chance. It would come on a basis of an earned reward or he did not want it.

But how? After more months he propounded the theory of best red by best red and worked on it. Nor did he make indiscriminate crosses. To the contrary, his stud books are an amazing collection of reasons why. First, he wrote why he had planned the cross; then he recorded the day, date and hour (always between ten a.m. and two p.m.) he made it. He recorded the number of seed from the cross and the number of plants they produced; then dated and described the bloom. He himself was to say wryly—"It's well I did keep notes. They're all I have for the first five years."

Finally he made the "discarded" cross (discarded because he had twice decided to make it and twice decided not to) and he carried pollen from TROOST to SEMINOLE and in 1930 bloomed the outstanding red BELLE PORTER. This was followed shortly by JERRY that came from BRUNO X BELLE PORTER. If you have seen a somewhat bedraggled and floppy iris blooming well into its strappy foliage off in a corner that yelled red!—it was probably JERRY.

From this time on Greig tried to have at least part of his own line in each cross. Nor did he hesitate to go to other hybridizers for help. BRUNO X SHERBERT gave him the sturdy U2, and to this U2 he bred Sass 30-40 that produced RED GLEAM. And RED GLEAM is still redder than many that have been introduced since.

Out of the tens of thousands of seedlings three were to become the stand-bys of his later years and each of them was, and is, outstanding in itself. DRESS REHEARSAL, PACEMAKER and YLEM were the trio that he worked the hardest and of which he said, "They have given me all they have and are grown old along with me. Our best is not good enough. They cannot produce *the* red."

Perhaps RUBEN, that was KING TUT X JERRY, was his biggest one disappointment, for he was quite certain it would be in "the" red. His cer-

tainty is proved by the fact he bloomed nearly 5,000 seedlings from the RUBEN lineage before giving up.

Greig Lapham did not fail. To the contrary, he succeeded beyond his wildest hope. For this man with a passion for red was an inspiration to all who would achieve. He knew what he intended to do; then systematically set out to accomplish it.

Bluffton was but a two hour drive from Elkhart, and Paul Cook and Greig Lapham were friends. Thus when the best each had was crossed and produced a medium red with excellent habits it became YLEM. And I still use YLEM in a line of my own that this year produced the reddest red I have known.

Greig did not breed for blue or white or for anything but red, though the pastel pink HEARTBEAT "just had to happen." He did bring in yellow and orange in an effort to lighten, and I think it is the orange great-grand-parent of YLEM that came out this year in my redder seedling.

Greig Lapham has gone to join his fathers. Others have picked up the red torch that fell from his aging fingers. It is well, for the color red still eludes us.

Not many men have been as dedicated to a single purpose as was Greig Lapham, though some are. Let us earnestly hope that when the color red comes (and it *will* come) that it comes to such a deserving and sincere hybridist.

NO REDDY MIX

DR. HUGO WALL

If I were a song writer, I might start one with the words "Hybridizer, hybridizer, make me a red Iris."—and then proceed to describe the sort of iris I want him to make. Or would I?

Right here, I figure there would be a very long pause, for I honestly do not know exactly how I want a red iris to look. My wife says she has dreamed the perfect red iris, but I never have. I asked myself, "Should it be tall and stately, or would a more modest size look better? Should it be a classical form with domed standards and flaring falls, or might the standards be open and the falls horizontal? Might ruffling or lacing look good in red? Should the finish be like satin, taffeta, velvet, or possibly corduroy? Should the color be wine-red, brown-red, cherry red, or fire-engine red? Then what about the beard? Should it be red, accenting, or contrasting?"

All reds are blends. And this poses another problem. There is no REDDY MIX for this iris. This is a job for a "finger-cook" or a "gourmet chef"—a pinch of this and a speck of that.

I have dabbled in crossing reds for many years. Though I have never come up with a "secret recipe," I will mention a few ingredients that I used and tell you what I found.

The Cook and Lapham irises I used produced pretty good color, I think, but insisted on transmitting their smallness. Most of the Sass seedlings produced smoothness, but they were a bit narrow in the falls and not very large or tall. Of Tompkins' earlier ones I used GREAT DAY, FRONTIER DAYS, and HIGH BARBAREE. GREAT DAY, though it's beautiful, produced

nothing very good for me. FRONTIER DAYS gave some nice seedlings. HIGH BARBAREE passed on both its smoothness, and its high branching. RED PRELUDE (Saddoris) is a willing parent both ways. I used to wonder why Dr. Saddoris chose this name for it. But now I know. The first red seedlings blooming in my patch always contain RED PRELUDE. It is tall, a generous bloomer, and has good-sized flowers. But it has a slight tendency to rot. TRIM will give irises both tall and large, but the color is brownish and seems more brushed on than completely penetrating the petals. UTAH VELVET (Muhlestein) is a fine parent. I think the very best red for me has been BANG (Craig). Although BANG has some haft markings, most of its seedlings are good.

Some years ago I registered CONTACT, a seedling of CASA MORENA x SOLID MAHOGANY. It is of medium height, tailored, and a very smooth dark red. Unfortunately, I waited several years before introducing it, and by then other reds equally good or superior were on the market. A judge in our Region, upon seeing my pride and joy for the first time, commented, "Oh, another one of those!" The tone of voice left no doubt as to what he meant. The experience was shattering for me, and has made me "gun-shy" about making further red introductions.

I cannot resist, however, telling you about a few of my better seedlings. One is 59-23 (CONTACT x FRONTIER DAYS), which should have been introduced. But, in the meantime, Schreiner's TILLAMOOK and FRONTIER MARSHALL have preempted the field. A cross of a Dr. Loomis seedling called RED OAKS x TRIM has provided two fine seedlings—59-1A and 59-1E. Both are strong, vigorous, disease-resistant and tall with strong stalks. The first one, 59-1A, has large flowers of good form, but is really brown, not red. The second, 59-1E, is red, well branched and blooms a dozen or more flowers per stalk, but the flowers lack good form. I find that it transmits its good branching and high bud count to its progeny, and so give it a high rating for my purposes. Finally, a cross of HIDDEN FIRE (El Dorado Gardens) and a seedling produced 63-95. This is a brown-red of good form and large size, but its haft is striated. Now if I knew how to intensify the red and eliminate the haft marking we'd have something worth taking notes on. But how do I do this?

Roy Brizendine suggested that I try the approach to red by way of deepening the pinks, and to start me off, gave me several very deep pink seedlings. I must confess that I have not pursued this course with diligence, and so far haven't produced anything better than the original plants.

In recent years I have used mostly my own seedlings for crossing, so I cannot report on what happens when one uses the latest iris. Ask me again in five years, for I expect to continue looking for that fool-proof REDDY MIX.

Show schedule covers or covers for programs and yearbooks. Duplicates of January and April 1968 Bulletins, with wording. Ten cents each. Order from American Iris Society, 2315 Tower Grove Blvd., St. Louis, Mo. 63110.

ON THE WAY TO RED

TELL MUHLESTEIN

Greg Lapham was one of those hybridizers who persisted in the quest for a truly red iris; and yearly, as the season closed, we would have some correspondence on our successes and failures. He felt, as I did, that we would have to seek new blood to obtain spectrum red, for the lines being pursued (high concentrations of DOMINION blood) could only result in further refinements with either a purple or a brown cast. Those who are not interested in hybridizing will ask why so much space in the Bulletin is devoted to hybridizing, and why "talk" so much about something that has not yet reached fruition. Were it not for the tireless efforts of breeders, we still would be growing collected species, which are a "far cry" from the modern gorgeous creations. Perhaps our "just talking" about developing a RED iris will inspire someone to actually create it, and when it is produced new vistas of color and beauty will be opened. And I think more and more of our members are being intrigued by the fascination of genetics and hybridizing.

Actually, I have not put my full effort into breeding reds, for I enjoy working in all color classes known in tall bearded, border and dwarf irises. I like to see what certain crosses will produce. It always is satisfying to a hybridizer, however, to know that other breeders have found his "stepping stones" useful; and I will, therefore, list the few "reds" I have introduced and mention a few of the successes others have had employing them in their hybridizing. However, I first should like to dwell, somewhat, on the DOMINION family, for although DOMINION (Arthur John Bliss of England—1860-1941), introduced in 1917, was a blue bicolor with very round and velvety falls, it played a most important part in the production of our modern so-called reds. There is rarely an iris of any merit today that does not stem from this great progenitor. Even many of the good whites and yellows show its blood, and its form most evident. From DOMINION came the bicolored CARDINAL, which in turn produced DAUNTLESS, the 1929 Dukes Medalist.

DOMINION also produced the bicolored GRACE STURTEVANT and BRUNO, and from the latter came Cayeux's French Dykes Medalist, DEPUTE NOM-BLOT. DAUNTLESS is in the background of all the David Hall pinks, which would account for the delightful form of BALLERINA, etc. Dr. Kleinsorge's TOBACCO ROAD boasts DOMINION blood, and without this great brown iris none of our modern browns and coopers would be so advanced, so spectacular and exciting. Tom Craig's BANG (and his subsequent reds) all stem from Dr. Kleinsorge's CORDOVAN, a fine brown.

Hans and Jacob Sass were pioneer American hybridizers in the attempt to get a red iris and introduced several that were advances in their day—REDWING, JOYCETTE, RED ORCHID, etc. JOYCETTE crossed with a REDWING X CARDINAL seedling produced THE RED DOUGLAS, a very large red bicolor which, when crossed with GARDEN MAGIC (WOTAN, a seedling of DOMINION, X ELLA WINCHESTER), produced for Agnes Whiting the very smooth GARDEN GLORY. This she crossed with ROCKET to get TECHNICOLOR. Tompkins crossed MANANA with TECHNICOLOR pollen and produced the very smooth,

lively brown-red DEFIANCE, which in turn has founded his race of "red" irises and is to be found in the pedigrees of many of the Schreiner, DeForest, Lapham and other breeders' red lines.

My first reds were introduced in 1949 (along with PINK FORMAL). The big red-purple STORY TIME was from THE RED DOUGLAS X Hall's flamingo pink 42-10. The other was BURMESE RUBY from RED VALOR X RED GLEAN. It had smooth enamel-like finish and a darker yellow beard, but it threw seedlings with brown beards. It was satisfying to see the Schreiners employ this and Melvina Suiter's 1965 Cook-Lapham Cup winner, TOMECO: OWYHEE X ((CAPTAIN WELLS X BURMESE RUBY) X TECHNICOLOR)), which showed some of the smoothness of this iris.

I released in 1952 DEEP MAROON ((RUBEO X GARDEN MAGIC) X GARDEN GLORY)). I liked the round, velvety, red, DOMINION-like falls of this short red, but it had sparse foliage, as many reds have; and although I used it muchly in breeding the seeds never were planted and a fire subsequently destroyed them. My last introduction in reds was with FIRE RUBY (DEFIANCE X BANG) in 1964. This iris won the cup at Florence, Italy, in 1965 for the reddest iris.

Les Peterson of Salt Lake City has pursued the "trail for reds" about as long as anyone I know, and is getting some exciting things. His MAIN EVENT, a contender for the Cook-Lapham Cup, has the form most of us would like to see in a good red. Its pedigree is interesting, with (CHAR-MAIZE: SNOW FLURRY X AZTEC COPPER) and two sisters from (HAPPY DAYS X DEPUTE NOMBLOT) and (BRYCE CANYON X MOONTIDE); here again is DOMINION several times, DEPUTE NOMBLOT and the yellow MOONTIDE. Les crossed my 1961 red release, UTAH VELVET (QUECHEE X PRIVATEER) with MAIN EVENT and produced the HC winner LP 64-03, which also won the Best Seedling Cup at the Utah Iris Society show in 1968. It is a border iris that is very smooth.

In order to get height, heavy foliage, good form, etc., I have made crosses for vigor, and this year I numbered three from TONI MICHELE X BALINESEAN in various shades of brown-red and purple-red, with self beards. BALINESEAN carries pink factors, as does TONI MICHELE, and is the parent of CAMELOT ROSE, and has much vigor to pass on to its offspring. The foliage, stalk and size of these flowers are all that one could ask; now it remains to get RED from that line. Dr. Julander has given me his big, wide brown-red from ORANGE PARADE and TONALEA breeding. This shows the width of JUNE'S SISTER in its background. I am anxious to use it with these TONI MICHELE seedlings, and with the 1958 introduction of Mel Wallace, TOM HOWARD (from CAPTAIN WELLS X PINK FORMAL). Since I have been touching on this type of breeding, I have more or less given you my feelings about the theory I have to produce the RED iris. I feel that the pinks and their derivatives will be the lines (when crossed with our present-day conventional reds) to give us the true red. The tangerine beard will somehow transfer enough color to the beard to produce a self or red beard and I have felt the difficult SATAN'S CHOICE could be useful here. It strongly resists growing healthily, and "resents" efforts to make it pod, and its pollen (when it makes any) is not too potent, but with repeated efforts one will have some success. TOM HOWARD's falls are about as red as any of our present day irises, but it retains some of the reticulations that mar beauty

and acceptance by the purists, but these haft marks are difficult to eliminate. Pinks have a way, however, of putting smoothness into the yellows and whites, and why not with the reds? Craig's DEVILISH and Peterson's ARDI LOY already are along the way with somewhat self beards.

I purposely have avoided suggesting the use of off-reds like SAVAGE and the beautiful CAMPFIRE GLOW, for they are blends and invariably throw blends and as such they are not red.

Who then will be the first to produce that SCARLET? We are "on the way!"

LET'S FRILL AND FANCY THE REDS

LES PETERSON

There was a time, not too long ago, when we had no red irises. Just blues and purples, a white or two, an occasional yellow, a plicata, a variegata, an amoena, and a few others; but no red irises. And the fact still remains, although many devoted hybridizers have worked diligently and long, season after season, crossing varieties upon varieties, that there is yet no really red iris in existence. They all have a subdued or a pronounced suffusion of purple, brown or yellow—or a combination of these colors in their color makeup or complexion. The pursuit for this much sought after color break, this bewitching garden treasure, has indeed been trying and difficult.

The principal cause of our frustration may be our interfering with Mother Nature, the graciously kind lady who has so much to do with the grandeur and beautification of this world upon which we live. Perhaps, as a stronger challenge to meddlesome 'pollen daubers', as well as professional hybridizers (and this reason seems as logical as any), she decided in the beginning that it would be better if no species—well, almost no species of flower—have all three primary colors: red, blue and yellow, in its bloom section or blossom parade. Only a few flowers are listed here—the kinds are countless. We need not use our imagination or memory to know that we haven't seen a really yellow sweetpea—or petunia—or aster. We haven't seen a really blue rose—peony—poppy—daffodil—or chrysanthemum. And, to emphasize again, we haven't seen or don't see a really red iris.

However, during the past half century, vast strides and advances have been made through our untiring efforts to obtain this elusive color. Our aims and our aspirations seem definitely to be bringing us nearer a rewarding goal. How much farther we must go remains a mystery.

This was to have been a short progress report, or brief history on red iris development over the past fifty years, beginning with the year 1917, when an English hybridizer by the name of Bliss introduced a somewhat velvety smooth, but far from red, iris known as DOMINION from a cross of CORDELIA X MACRANTHA (two real oldies that have slipped or strayed from—or have never been in our recollection). But, inasmuch as our good friend Bob Schreiner has written a very fine article on red iris progression that ap-

peared in the June 1968 issue of *Flower and Garden* under the title of "The Quest For Red Irises," it would be repetitious—perhaps even sheer folly—to pursue the subject, or elaborate on it here.

Instead, it might be best if we proceed to do as the title implies—frill and fancy the reds—embellish them with lace, ruffle and fluting, being ever mindful not to overdo or intensify it too strongly. Just an alluring edge of lace—an appealing display of ruffled and fluted decoration. However, the beards should be full and prominent, vividly bright and pleasingly conspicuous. This will not enrich or strengthen the pigmentation of the reds, or put more actual redness into them; it should merely redden their appearance and give them a more tantalizing look.

And, then again this frill and fancy endeavor that we are advocating may be just the right means of bringing us nearer our achievement because it induces us to use the pinks and oranges, and possibly the lavenders and apricots, in our attempts to obtain the needed lace and ruffle attributes. It is the opinion—the firm and sincere belief of some noted hybridizers—that these tints and tones (the delicate pinks and the gay, bolder oranges) provide the shortest and straightest road to Rojoland—to Crimsonville—to Scarletown—to Redfield or any other name we may choose to call our goal or destination. Their confidence in their claim should inspire us.

The new 1968 introductions, WAR LORD by Schreiners and ARDI LOY by Tell, can be contributing factors toward beards of flaming brightness. They both display similar beards of gratifying brown-red.

When our success bud begins to unfold it will most likely select the form of a tailored iris as the stage for its grand opening or premiere performance. But there is absolutely nothing wrong or out of place with a well-tailored iris—most reds are such—pleasingly charming and attractive plus.

So, let us dream—and let us take this chance, feeling certain that we can accomplish this feat of finding a true red iris. The task may appear tedious at times, but let no obstacle deter us; let us cross and cross onward and defiantly hopeful, one day soon, that Mother Nature, out of the abounding kindness within her heart, will leave ajar the guarded door to her formula room—and then our search will have ended for this fiery floral gem—this garden diamond with a ruby glow and lustre.

Hybridizing For Red Irises

DR. M. L. SADDORIS

About fifteen years ago I began to think about turning my hybridizing efforts toward improving the red iris. There were in existence such reds as RANGER, PACEMAKER, THE RED DOUGLAS, QUECHEE, DEFIANCE, RED GLEAM, GARDEN MAGIC, and EBONY ECHO, to name only a few of the better reds of that day. Most of the red irises then had standards which were lighter in color than the falls, and most were less than thirty inches tall. The hafts were fairly well marked, except THE RED DOUGLAS, and the branching definitely needed to be better. I believed a clean red self was possible. The hafts needed to be cleaned up. Better branching with increased flower bearing, was a problem that would take much work, but would be worthy of one's time should progress be made.

As I have worked through these years I have seen most of these aspirations realized. There are today some fine red irises with standards as red as the falls. There are some reds on which haft marking of the falls is practically non-existent. Some newer red irises now display nice sized flowers with some fine forms to please most all iris lovers. A few red irises have good branching and some now produce a creditable number of flowers. Height has been improved into the thirty-two to thirty-eight field. What then is left to work for in reds? There is a great deal yet to do. Brighter red color, increases in ruffling of the cleaner red selfs, red that can take more heat and sunshine without wilting during the heat of the day. Though the modern reds have good substance, the darkness of their color absorbs the actinic rays so readily that the flowers look wilted after a bright hot day. Through the cool night they rebuild their substance and the next morning they look beautiful again. This phenomenon is true of most of the dark colored irises. The velvety type flowers in the reds seem to do this more readily than the satin finish type.

Here in Oklahoma the irises bloom from late April in the southern part of the state to the last of May in the northern part. This is a time when we may have hot sunshine, rain, cool nights, and sometimes hot winds and often hail storms. It is a good place to test the stamina of red irises. I feel that an iris that can perform creditably here will do a good job most anywhere in the country.

Most of my work with red irises is now confined to working with two lines with brown beards and two lines with tangerine beards. Recently I have come to believe too much inbreeding tends to lose many of the better qualities of a flower. Height, size, and substance sometimes suffer, more especially height. I believe the introduction of new blood into the line, or out-crossing the line, helps to preserve the better qualities you have. Naturally the qualities of the flower introduced must be as good or if possible better than the line into which it is to be introduced.

The clean hafted reds are more often found in the flowers which have brown or reddish brown beards. The flowers with the tangerine beards more often mark the hafts. They also give the clean hafted ones a brighter color of red. This may be an illusion, since I have taken two such flowers and compared them, and find there is really little or no difference in color of the standards and falls.

I have an interesting experiment going with an original cross of RED PRELUDE x HUNTSMAN. This produced a good group of dark oxblood reds of many sizes and descriptions. The two best, Sib 6 and Sib 9, were crossed reciprocally. Seedling 9 x Sib 6 gave all deep red flowers of rather good quality. Seedling 6 x Sib 9 gave a group of taller, brighter reds of generally poor quality with two exceptions. One bloomed last year, tall, good flowers, adequate number of flowers, and a deep red color which was very intense, clean and clear. The second bloomed this year and was forty inches tall, excellent stalk and branching, plenty of large mildly ruffled flowers of a burgundy red color. I sibbed both; crossed and reciprocally crossed both crosses. I will have an F3 generation in 1970 in which I anticipate a variety of shades and sizes of red.

Unlike some of the other colors, the development of good reds is accomplished best by crossing the better reds. In the early '50s, E. G. Lapham,

in one of the red hybridizing robins to which I belonged, made the same observation. It was one of the reasons I began to work for better reds. Complicated red crosses have given me less good seedlings per cross than the less involved ones. Whether this would be true if I had space to grow these crosses in larger numbers, I don't know. At least it should give more chances of mating up the proper combinations of chromosomes and genes than the smaller number of seedlings.

Some time back two questions were asked of me by a friend. 1. What do you see in the near future for the red iris?, and 2. How far away is the bright red?

Today we have some very fine red irises, and I can see them getting better every year. The shades of red are appearing brighter and clearer. The reds are selfs with improved substance in the standards and good form of the flowers. Branching and bud count are better, but need more improvement. Some of the newer reds, which I have not seen, are said to be ruffled, and I am sure this quality will be greatly improved in the next few years. One marvels to think that in less than fifty years we have seen the iris come from a non-existent red color to some very red-appearing flowers.

Red pigment has never existed in the tall bearded iris and what we call reds still are combinations of a purple anthocyanin and a carotene yellow. Thus, without an iris gene capable of producing red pigment, our hope for a true red flower could be far away. Therefore the answer to question two is very problematic. The use of certain drugs on, and irradiation of seed, pollen, and the rhizomes, have been performed in an effort to produce mutations which could possibly produce something new in red irises. I believe the accumulation of our present knowledge of the use of mutating agents makes us prone to believe regressive mutations are preponderously attained over progressive ones. Whether it is possible to produce mutations of genes to produce a red pigment is unknown. The overwhelming bad results of such experiments dictate that such work must be started by young hybridizers and carried on for many years. Still then there is no assurance of that mutation ever occurring. Surely men of my age have little hope of ever attaining any progress by these methods. It is possible to do it on the first experiment, but this possibility is one in millions. I think in the few years I have worked with reds, I have attained many improvements that encourage me to remain on the same course of hybridizing that I started with, using the best reds I could find.

The production of tetraploidy by A. J. Bliss in 1917 in the iris *DOMINION* brought about great advances in the next fifty years in irises in all its ramifications. Quadraploid irises have been produced by the use of mutation agents. Those I have seen will require many years of work to make them comparable to our present tetraploids. This has not happened in the red irises as far as I now know. Since many people, from pollen dabbler to the really professional hybridizers, are growing more and more thousands of red seedlings—the chance of the bright red becomes nearer with the increasing number of hybridizers and the red seedlings they produce.

Another thought about red irises is that the flower must be considered from the standpoint of the viewer, and the conditions under which he is

seeing the flower. Does he or she like red color and in what shades? Since reds come from both the purple and orange (carotene yellow) sides with a variety of brown to tangerine beards, and smooth and marked hafts, there is room for much discussion about red irises. EBONY ECHO and BANG, though haft marked rather profusely, are favorites of many people, even though some like one and dislike the other. JUNGLE FIRES and DONNY-BROOK have different appeals to many people. Like pinks, they are illusionary, therefore always debatable.

I have photographed many red irises, especially in my seedling patch. I have taken these slides in all types of light, times of day, and the light from all angles. I can show you very bright red irises by taking their picture with the light rays coming through them. Some reds will not photograph this way, yet in side by side comparison they are very little different in color. I believe more and more people are beginning to enjoy the newer red irises because the modern reds are now approaching the general quality of the other colors and combinations.

Would a red iris, geranium red, be pretty or gaudy? I asked myself this question when I once saw some white irises which had been lacquer sprayed a geranium red. They certainly didn't look like irises, for the lacquer spoiled their other lovely qualities. Since I have never seen a true red flower, whatever genus it may have been, that I didn't like, I am prone to say I think even a bright red iris would be as lovely as any other color.

I hope more and more people will discover the tremendous thrill of the seedling patch that only the iris hybridizer has. True, the poor seedlings abound to the practiced eye; but the gleam in that eye, when a good one shows up, and the thrill that goes with it, make all the study and work seem so worth while.

Red Robins --- Twelve With The Redbird

DR. FREDERICK R. JUDY

Red irises mean more to me than just that group of irises called red. For twelve years I've been tied up with two round robins devoted exclusively to the discussions—and ramblings—of breeders with a special interest in reds. THE RED SPECIAL first left my desk in November of 1956. It was AIS Hybridizing Robin No. 2. Wilma Vallette, Chairman of the Advanced Hybridizing Robins, was the director. Now I am director, and when it left here in July 1968, it was starting its 26th flight. Many of the breeders represented often have been anything but "advanced", but also we have had the privilege of hearing from Greig Lapham, Chet Tompkins, Bill Schortman, Wilma Vallette and others. Most of the rest of us are more persistent than advanced.

No. 29 was started soon afterward, and when it left here this July it was starting its 28th flight. I've been assigned to direct that one, too. We are down to eight members in each group. At one time there were twelve members in each of three robins, exclusively red, but this is a hard row to hoe. Perhaps this Bulletin emphasizing the red iris will stir up a few more who would like to correspond, and faithfully write in a Robin.

What we have learned:

Red x red gives "red".

Red is a critical mixture of sap granules of plastid yellow and soluble purple anthocyanin. Wilma Vallette states in her book, *IRIS CULTURE*, that in the TB species "the nearest to red is red-purple or the stripes or 'spots' on the falls of *variegata* which look redder on a yellow background. But, as both plastid yellow and anthocyanin purple are present in diploids, quite creditable reds, such as APACHE and SPARK, existed long before there were any number of red tetraploids. When pigmentation is entirely from anthocyanin, the color is red-purple, and perhaps SUSAN is as nearly red as can be found without a little plastid yellow to dull it into brownish or orange tones, so the desired aim is to keep as much red-purple as possible, plus the tiniest bit of carotene—enough to make it look redder without turning it brown or orange, and no flavones to make it bluer or more brownish."

But no two breeders can agree as to just what is the ideal "red" since we cannot have crimson. Some work toward the brown-reds. I tend to work toward the purple-reds. Then one must not forget the blends which only look red from a distance and in the proper light. Transmitted light and a shot of Ektachrome often will greatly improve the "red" of a maroon iris.

Wives, husbands and friends offer such inverted compliments to the red breeder as, "Why don't you have any beautiful irises?" or, "Listen, Fred, can't you grow anything but those muddy looking *browns*?" The companionship of THE RED SPECIAL is a very encouraging thing, but when you send a numbered seedling out as a guest—and all our guests in the red robins are breeding guests—even then the comments often damn with faint praise: "Yes, it should be a good breeder, but actually is it really any more than 'just another red'?" Go look at the best of the reds at the end of a hot afternoon and that's exactly what you too may say.

MARY RANDALL will often throw a "red" seedling. My favorite is a seedling of Carl Smith of Lewiston, Idaho, with NEW HOPE as the pollen parent. Some of the progeny are fearfully and wonderfully made, but some good clear reds appear.

Apparently, it takes just a little of the plastid yellow to change over the anthocyanin purple to the maroon we call red—so it is generally better when breeding red and red to have at least one of the parents from the purple-red side. Very interesting blends occur when one crosses a good blue with a medium red. There is a steel-like quality to the color which really appeals to me, but so far I've seen no finished iris of this type.

I suppose that we of the Red Robins have been a good nucleus of red fanciers, forming something of a captive market for the red introductions of those with large seedling patches; the Schreiners, Chet Tompkins and Tom Craig, here in the Pacific Northwest. It certainly is to be remarked that the Schreiners seem to have a stranglehold right now on the nominations for the Cook-Lapham Cup. As I look over the voting lists for this bowl, I have begun to wonder whether or not BANG by Tom Craig ought not to have its votes counted double by reason of its having been a runnerup for six years, or should there be a special award when it has been a runnerup for ten years. I remember well how brilliant it looked in Fisher Harris' garden at the Salt Lake City convention in 1954.

BANG is SAVAGE X CORDOVAN X MOLTEN. I never have worked with BANG because my red breeding started with a number of Craig's "hot reds"

and most of them have CORDOVAN-MOLTEN as one parent or the other. But back to breeding for Cook-Lapham nominations, I remember seeing in the Schreiner garden some six or eight years ago a row of red irises about thirty feet long (I don't remember the name) and on that row were perched well over a hundred fat seed pods.

JUNGLE FIRES, the second Cook-Lapham winner, was the last specific red that Greig Lapham recommended that we use in red breeding. He summarized his breeding program as the best red on the best red; pick the best and do it *again*.

Many of our robin members have at one time or another hybridized red x white. We produced, and many of us still have from that line of breeding, some fine yellow seedlings with a few streaks or tinges of red. These could be used again with red to get better stalks and branching into the reds. I did the same thing in 1959 when I crossed a seedling from PACEMAKER-MOULIN ROUGE with RUFFLED APACHE to bring some lace into the reds, and secured ROUGE (pronounced to mean red) REX. Then in 1962 I took a sib of ROUGE REX and crossed it with a seedling involving PACEMAKER, ALICE LEMEN (lace) and CAPTAIN GALLANT (smoothness) and secured my unintroduced OXBLOOD LACE. Again in 1966, I crossed OXBLOOD LACE on No. 6217-A, which carries a lace factor from the older ROSE FRILLS, together with red from several sources. On first bloom, this is better than OXBLOOD LACE, but possibly not as good as WAR LORD of Schreiners, which came out this year. Lace from both ROSE FRILLS and RUFFLED APACHE are combined in my No. 6246-2, which when coupled with CHECKMATE, produced my 6572-8, the "red" I like best to date; but this one may never reach introduction because of tenderness to bacterial rot—or is just in need of disinfection. Besides 6572-8 blooms the very last of the season so seed production also is light. I now have lace factors brought in from ROSE FRILLS, ALICE LEMEN, Brother Charles' 51-31 and RUFFLED APACHE. Others have been brought in from Gordon Plough's and Mrs. Jeannette Nelson's seedlings, so you can see that my lace lines are not yet stabilized and often produce surprises.

The pedigrees of the Cook-Lapham Bowl winners and many other leading reds have been analyzed by the editors elsewhere in this Bulletin. These honored reds are the results of intensive line breeding within the hybridizers' lines. But nearly everyone of those mentioned have GARDEN GLORY in the pedigree, which means THE RED DOUGLAS, GARDEN MAGIC and DOMINION. JEWEL TONE has to go back to the fifth generation, but it is there. I have found the same in my good reds with smooth throats. It is almost a *sine qua no* for smooth reds.

So, after twelve years with red robins, I don't know much. There is no such pigment as red. The red appearance, a critical mixture of anthocyanin and purple and a little plastid yellow, has to be bred very closely to the line to preserve its integrity. Out-crossing for branching, hardiness and floriferousness can help, but it may take three or four generations to come back to a smooth red. The whole problem is a real challenge and if you are serious, SIGN UP FOR A RED ROBIN. Write me direct, and promise on your honor as an irisarian not to "lose" a robin. The rest of our crazy clan will welcome you!

THE W. A. PAYNE AWARD

DANCING WAVES	W. A. Payne	10
Runner-up		
STAR AT MIDNIGHT	R. A. Rich	8
HONORABLE MENTION		
ENCHANTING MELODY	R. A. Rich	13
ORIENTAL TRACERY	C. A. Swearengen	9
PURPLE PEACOCK	C. A. Swearengen	6
BLUE NOCTURNE	W. A. Payne	5
HIGH COMMENDATION		
K 63-1B	Jonnye Rich	5

Exhibition Committee Report, 1968

CLARKE COSGROVE, Chairman

A greater number of shows were reported this year than for any previous season. One hundred and sixteen show reports were received to increase by approximately ten percent the number reported for 1967. The season generally was good throughout all regions with few shows canceled because of bloom failure or adverse weather conditions. The shortness of the season in some areas resulted in conflicts of dates and a few shows were not held to permit participation in nearby shows scheduled for the same date. The earliest show was held in November and the latest in July.

The Nelson Award (given to the iris selected the greatest number of times as Best of Show) goes to STEPPING OUT. This is the first time an iris has won both the Dykes Medal and the Nelson Award in the same year and it is doubtful that the feat will be repeated, although the runner-up was last year's Dykes Medal winner WINTER OLYMPICS. STEPPING OUT reigned as Queen in seven shows, WINTER OLYMPICS in four, while VIOLET HARMONY, the all-time winner on the show bench, came in third as Best of Show in three shows.

The count of shows reported by regions is as follows:

Region	Shows	Region	Shows
1	2	13	10
2	2	14	7
3	1	15	15
4	1	16	0
5	3	17	10
6	9	18	9
7	3	19	1
8	4	20	2
9	2	21	4
10	1	22	13
11	3	23	3
12	3	24	8
TOTAL			116

As in 1967, Region 15 (Southern California and Arizona) led the list with the greatest number of shows under the guidance of its very able regional exhibition chairman, August Phillips. Region 22 (Arkansas and Oklahoma) was a close second. Region 17 (Texas) doubled its 1967 number of shows to lead all regions in percentage of increase.

A total of 668 individual AIS certificates were issued, including 101 Exhibition Certificates for outstanding seedlings.

Several trends are making themselves apparent. The specialty shows continue to increase in number. The cultivar staging at shows rather than the conventional color classification is also increasing, but some of the problems arising from the multitudinous iris varieties now being grown and exhibited has resulted in a combination of the two methods of staging. If three or more stalks of the same variety are entered these then are judged as a cultivar class and if fewer than three the variety is classified with other varieties in the same color class. The anticipation of the number of award ribbons to provide for the unknown number of classes in this type of show is another of the minor headaches of the show chairman.

The addition of a junior section to the horticultural division as well as the artistic division has been made for several shows, although the junior growers often compete on an equal standing with their seniors for the major awards.

The remontants again opened the official iris year with a November 1967 show staged by the San Diego-Imperial Counties Iris Society followed by a January 1968 show by the Southern California Iris Society. The latest show, a summer show, staged as part of the Southern California Exposition in Del Mar by the same San Diego-Imperial group extended from June 26 through July 7th and ended one day later than the Fifth Japanese Iris Show to be staged in the United States by the Southwestern Michigan Iris Society on July 6th. The Del Mar show, although counted as one show on this report, actually had fresh specimens entered every other day and was judged six times during the twelve days of the Exposition. Besides tall bearded varieties, Siberians, Louisianas, Japanese, spurias, Pacific Coast hybrids, laevigatas, ensatas and four other species were exhibited. Over 100,000 visitors saw the show.

Multiple shows by the same group are increasing with an early and a later show bringing out different kinds of iris. There were three aril and aril-bred shows, the annual Louisiana iris show at Lafayette held by the Society for Louisiana Iris, as well as the Japanese iris show mentioned above. Straight iris shows, with and without artistic sections, are replacing general flower shows with iris divisions.

Sixty-eight certificates were issued for meritorious commercial or educational exhibits. These exhibits greatly enhance the value of the show to the general public and offer opportunities to put across a message, to increase membership in the local and/or national group, to introduce new iris, to provide a gathering place for an informal discussion of iris culture, hybridization, etc., and generally to dress up a show.

Although every effort was made to trace down the slightest rumor of a possible show, there undoubtedly were shows that were not reported by the deadline August 1st. Certificates can be issued and medals ordered after that date, but it is impossible to include the names of the deserving winners in the summary that is included as part of this report. Care should be taken by those responsible for filing the reports that they are complete and the accuracy of the names checked. It is as important to spell a winner's name correctly as it is to include it and there is no way for the Exhibition Committee to verify the spelling.

AWARD WINNERS—AIS SHOWS—1968

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Variety</i>	<i>Best of Show</i>	<i>Exhibitor</i>
ALABAMA Birmingham	Mrs. E. P. Miles	Terry & Tommy Quinn	VIOLET HARMONY	Terry & Tommy Quinn	
Birmingham	The E. P. Miles	Mr. & Mrs. Al Brush	DIPLOMACY	Bill Ponder	
Florence	Mrs. Clarice Batson	Mrs. A. D. Wilder	VIOLET HARMONY	Mrs. A. D. Wilder	
Guntersville	Mr. & Mrs. R. L. Webster	Mr. & Mrs. Floyd Garner	DENVER MINT	Bill Ponder	
Huntsville	Don Saxton	Mrs. Evelyn Brannum	GOODNESS	Don Saxton	
Tarrant	Mrs. O. B. Terry Sr.	Mrs. Lonnie Hix	LILAC CHAMPAGNE	Mrs. George Olvey	
ARIZONA Phoenix	Dr. Charles S. Purtyman Jr.	Mrs. Paul Orick	GOLDEN SPUR	Dr. Charles S. Purtyman Jr.	
Tucson	Mrs. Genevieve H. Jasper	Mrs. John M. Jackson	STEPPING OUT	Mrs. B. T. Whitaker	
ARKANSAS Hot Springs	Mrs. Nola Smitherman	Mrs. Joe Smith	DREAM SPUN	Mrs. Nola Smitherman	
Little Rock	Hoyt & Edith Smith	Dennis & Mary Etna Williams	PIPES OF PAN	Hoyt & Edith Smith	
CALIFORNIA Arcadia	Robert Hubley	Mrs. Maxine Gould	JOSEPH'S MANTLE	Duncan Eader	
Arcadia	Duncan Eader	Mrs. Doris Foster	I. SUSIANA	John Holden	
Arcadia	Duncan Eader	Mrs. Grace Kallam	STEPPING OUT	Mrs. Grace Kallam	
Bakersfield	Lewis Henderson	Ruby Evans	ALLEGIANCE	Beulah Stuteville	
Bakersfield	Beulah Stuteville	August Phillips	CELESTIAL SNOW	Beulah Stuteville	
Carlsbad	Mrs. P. V. Cooper	Mr. Neville Stephens	WILD GINGER	Mrs. P. V. Cooper	
Concord	Irving B. Timmerman	Tom Graham	NIGHT SONG	Glen Corlew	
Del Mar	Bill Gunther	Thelma Carrington	BRONZE FLUSH	Robert Hubley	
El Monte	Robert Hubley	Helen Rubey	JOSEPH'S MANTLE	Daryl Sellers	
Los Angeles	Daryl Sellers	Donald Sellers	COMMENTARY	Mrs. Mary Bowen	
Modesto	Dan Miller	Mrs. R. Nelson Nicholson	ALLEGIANCE	Nita Wroten	
Redding	Helen Gaines	Edna Bryceson	MOON RIVER	Mrs. Bernard Hamner	
Redding	Edna Bryceson	Paul Maxim	CORAL ISLE	Mrs. Dessa Hadley	
Riverside	Mrs. Maybelle Nelson	Mrs. Dessa Hadley	COMMENTARY	Mrs. Sam Burnett	
Sacramento	Mrs. Robert L. Dunn	Mrs. Verne J. Wheeler			

San Diego	Robert Hubley	Mrs. Raymond Otto	CHANT	Mr. & Mrs. George Alexander
San Diego	Margaret Otto	W. J. Gunther	MARIE PHILLIPS	Lois Weaver
Santa Barbara	Mrs. S. E. Brett		MT. HOPE	Mrs. S. E. Brett
COLORADO				
Brush	Mrs. Pete Galassini	Mrs. Dan Edelman	GRAND TETON	Mrs. Pete Galassini
Colorado Springs	Frank J. Foster	Ross Berry	BLUE RHYTHM	Frank J. Foster
GEORGIA				
Atlanta	M. B. Satterfield	Mrs. Vivian Buchanan	EPIC	M. B. Satterfield
IDAHO				
Boise	Elsie Henke	Eva Wiedrick	VIOLET HARMONY	E. E. Rutledge
Twin Falls	Mrs. Victor W. Nelson	Mrs. Ed Conrad	BETH COREY	Mrs. Albert Toberer
ILLINOIS				
Hillside	Sherman Kindell	Edward Varnum	HARMONY HOUSE	James Marsh
Mount Prospect	Avis Varner	Laura Lee Christoph	SNOWY VISTA	Laura Lee Christoph
INDIANA				
Indianapolis	Mrs. Earl Roberts	Mrs. Carl Coddington	BLUE SAPPHIRE	Wallace Leavitt
KANSAS				
Baxter Springs	Winnie Soos	Mrs. J. Donald Puett	VALIMAR	Winnie Soos
Garden City	Joyce Wright	Mrs. M. L. Russell	RIVIERA	Joyce Wright
Hutchison	Mrs. Glen Stout		CRINKLED BEAUTY	Mrs. Frantz John
	Mrs. Cleda Warner			
Parsons	Mrs. William Chapman	Mrs. G. C. Young	STEPPING OUT	Mrs. Zada Chase
Wichita	Carol Ramsey	Ivy Jones	SUGAR	Carol Ramsey
Wichita	Betty Jo Price	George Torrey	GRACIE PFOST	Mrs. E. A. Slater
KENTUCKY				
Lexington	Dr. H. C. Mohr		WHOLE CLOTH	Charles Hare
St. Matthews	Mr. Adolph Vogt	Mrs. Robert Walsh	PRETTY CAROL	Mrs. D. E. Parker
LOUISIANA				
Lafayette	Roland A. Guidry	Charles W. Arny	G. W. HOLLEYMAN	Mrs. G. W. Holleyman
MAINE				
Auburn	The Mollicones	Bernard McLaughlin	MEMPHIS LASS	Daniel Stevens
MASSACHUSETTS				
Worcester	Mr. H. Ladd Plumley	Mr. & Mrs. Peter C. Markham	SUNRISE SERENADE	Mr. & Mrs. Peter C. Markham
MICHIGAN				
Flint	Darrel E. Rose	Mr. & Mrs. James Dimmitt	HICKORY SMOKE	Darrell Rose
Kalamazoo	Mrs. Forrest Samson	Mrs. Arthur Hazzard	WHITE PINE	Mrs. Arthur Hazzard

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Variety</i>	<i>Best of Show</i>	<i>Exhibitor</i>
Kalamazoo	Mr. Ronald Miller	Riley Lynch	BETTERYET		Mr. Ronald Miller
Lansing	Mrs. Al Staser	Sidney B. Sterling	STEPPING OUT		Sidney B. Sterling
Livonia	Bill Simon	Hal Stahly	RAINBOW GOLD		Hal Stahly
Mio	Bennett Azer	Laurel Lawe	BLUE LINEN		Bennett Azer
MINNESOTA					
Bagley	Mrs. Frank Mer sham	Lulu Skall	TOP HAT		Mrs. Ben Mathes
Edina	Mrs. D. C. Messer	Urban Ipsen	MINNESOTA GLITTERS		Mr. & Mrs. O. A. Bakke
MISSISSIPPI					
Jackson	Mrs. R. C. Roberts	Mrs. J. C. McCullough	SPRING ROMANCE		Mr. & Mrs. S. R. Arnold
Jackson	Mrs. I. B. Chapman	Mrs. M. E. Bennett	STEEPLECHASE		Mrs. J. M. Lack
MISSOURI					
Neosho	Mrs. Homer Brower	Mary Lou Smith	TRANQUILITY		Mrs. Ada Salsman
		C. L. Fondable			
St. Louis	Mrs. E. P. Kieferle	Mrs. Clara Clark			Mrs. E. P. Kieferle
		Mr. & Mrs. Russell Wurl			
		Mrs. James Watters	HENRY SHAW		Mrs. James Watters
Washington	Agnes C. Meyer				
MONTANA			WINE AND ROSES		Mrs. Robert W. Gray
Missoula	Mrs. M. A. Price	Mrs. Merritt Cass			
NEBRASKA					
Crete	Mrs. Edward Hesh	Mrs. Anton Kupka	EMERALD FOUNTAIN		Mrs. Edward Hesh
Lexington	Mrs. Jerome Keenan	Mrs. Leon High	WINTER OLYMPICS		Mrs. Jerome Keenan
Omaha	G. E. Redman	John W. Mullen	ELEANOR'S PRIDE		John W. Mullen
Norfolk	Mrs. Arnold Freuden burg	Mrs. Lena Freuden burg	HIGH COUNTRY		Mrs. N. S. Pederson
NEVADA					
Henderson	Maxine Yoeman	Mrs. Hazel Miller	CELESTIAL SHOW		Mrs. Hazel Miller
Las Vegas	Lucille Ray	Susan Carmicheal	INDIGLO		Lucile Ray
NEW JERSEY					
New Brunswick	Franklin E. Carr	Miss Mary Wais	MILESTONE		Dr. F. J. Knocke
NEW MEXICO					
Albuquerque	Mrs. Bernard Lowenstein	Mrs. Everett Freidline	TRULY YOURS		Mrs. Walter C. White
Hobbs	Mrs. T. E. Bertram	Mrs. C. B. Freeman	KING MAUVE		Mrs. Louis Alonzo
Roswell	Mrs. T. H. Boswell III	Mrs. S. P. Hannifin	LAURIE		Mrs. T. H. Boswell III
NEW YORK					
Baldwin, L. I.	William Peck	Harry Kuesel	RIPPLING WATERS		Harry Kuesel
Rochester	Wilbur Sage	Albert F. deGroat	INCA CHIEF		Lewis Horn

NO. CAROLINA

Charlotte OHIO	Mrs. Craven B. Helms	Mr. W. R. Glover	TRITON	Mrs. Craven B. Helms
Akron	Mrs. Anthony Willott	Mrs. Frank Bourne	LILLIE DELIGHT	Mrs. Anthony Willott
Springfield	Mrs. Herbert Shinkle	Lee Eberhardt	LILAC CHAMPAGNE	Lee Eberhardt
West Richfield	Mrs. William Zavortink	Mr. Myron Beard	STEPPING OUT	John Rusk
OKLAHOMA				
Edmond	Marvin Fletcher	Mrs. C. R. Mason	GRAND ALLIANCE	Jean Ralls
Enid	Bill Frass	Joe Collins	CRYSTAL RIVER	
Guthrie	Mrs. Bess Cornwell	Mrs. W. A. Nichols	EDENITE	Mrs. Charles Cross
Miami	Mrs. J. D. Puett	Mr. Harry Williamson	LA NEGRA FLOR	Mrs. J. P. Puett
Muskogee	Mr. Ted Schwachhofer	Mr. Floyd Love	BRIGHT CONTRAST	Mr. Floyd Love
Oklahoma City	Marvin Fletcher	Mrs. C. R. Mason	WINTER OLYMPICS	Mrs. Bill Hensel
Quartz Mountain	Mrs. Fred Grauman	Mrs. John Hayes	BELTON BEAUTY	Mrs. Reuben P. Dempsey
Shattock	Mrs. Bernell Elmore	Bill Frass	CHAMPAGNE MUSIC	Bill Frass
Stillwater	Mr. & Mrs. Wayne Drumm	Mrs. Frances Humphrey	SIVA SIVA	Mr. & Mrs. Wayne Drumm
Tulsa	C. J. Lack	Dr. & Mrs. T. L. Schiefelbusch	ESTHER FAY	Mr. & Mrs. C. E. Kenney
Woodward	Mrs. Glen Trissel	Mrs. Elmer Randall	WINTER OLYMPICS	Hooker Nichols
OREGON	Dwight Booth	John Dorr	JERSEY BEAUTY	Dwight Booth
Portland	Franklin E. Carr	William T. Hirsch	WINTER OLYMPICS	Franklin E. Carr
PENNSYLVANIA	Rev. Everette Lineberger	Mr. & Mrs. Charles Laughinghouse	ROCOCO	Rev. Everette Lineberger
Newtown Square	Mrs. L. C. Lazenby	Mrs. W. D. Collins	EVER AND EVER	Billy Lazenby
SO. CAROLINA	Mrs. Frank Tyree	Mrs. Kearney Crick	COTTON CLOUD	Mrs. W. T. Bledsoe
Columbia	Mrs. Doyle Gray	Miss Ruby Cook	UTAH VALLEY	Miss Ruby Cook
Fort Lawn	Mrs. Edwin Poole	Edythe Burroughs	CHARTREUSE	Edythe Burroughs
TENNESSEE	Mrs. J. R. Milliken	Mr. Jimmy Williams	BUTTERFLY	Mrs. L. Robert Streit
Lewisburg	Mrs. Jewell O'Neal	Mrs. C. K. Dean	HEATHER HALO	Mrs. J. P. Milligan
TEXAS	Mr. & Mrs. John C. Sexton	Mrs. John Welch	CLAUDIA RENE	Mr. & Mrs. Antonio Alvarado Jr.
Belton			CLAUDIA RENE	
Brownwood				
Dallas				
Dallas				
El Paso				

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Variety</i>	<i>Best of Show</i>	<i>Exhibitor</i>
Gainesville Lubbock	Mrs. Joe M. Leonard Sr. Mrs. Charles E. Benson	Mrs. Floyd Rhoads Mrs. E. E. Patton	STARSHINE RIPPLING WATERS		Mrs. Claude McCarty Mrs. Charles E. Benson
New Braunsfels Temple Waco	Mrs. H. G. Borne Mrs. F. J. Kostohryz Mr. W. C. Haynes	James R. Allen Mrs. Cecil Biggs Mrs. Cecil Garner	SNOW GODDESS STEPPING OUT GOLDEN DELIGHT		Mrs. H. G. Borne Mrs. F. J. Kostohryz Mr. C. H. Clark
UTAH Logan Ogden Salt Lake City	Mrs. H. C. Hansen Janice Daley John English	Selma Jensen Ben Stanger Mildred Osguthorpe	WINE AND ROSES ROYAL GOLD DOTTED SWISS		Mrs. Thelma Saltern Janice Daley Harold Pyle
WASHINGTON College Place	Mrs. Margurete Baldwin	Mrs. Carrie Criscola Mrs. Violet Kennan Mrs. Bert Warner L. L. Shepherd Mrs. Otto Kjeldgaard	INCA CHIEF		Mrs. Violet Kennan
Entiat Kennewick Opportunity	Jack Boushay Mrs. G. T. Furner Mrs. G. D. Bletcher	Mrs. P. J. Wiater	PINK AND PRETTY ESTHER FAY FRENCH FLAIR		Jack Boushay Mrs. G. T. Furner Mrs. Lillian Baughman
Richland	Mrs. George T. Furner	Charles Carper Dorothy Guild Mr. Frank Gropper Mrs. M. L. Maxwell	DEBBY RAIRDON		Mrs. George T. Furner
Seattle Spokane Tacoma Walla Walla	Rex & Alta Brown Irene Alexander Charles E. Carper Mrs. C. Baldwin		OLYMPIC TORCH BLUE BARON TAHOLAH STERLING SILVER		Charles Carper Gerry Harms Charles E. Carper Donald J. Boen
WISCONSIN Milwaukee	Mrs. Edward G. Miller	Frederick C. Jahnke	STEPPING OUT		Arthur G. Blodgett

1969 SHOW CHAIRMEN

1. Order supplies from the St. Louis office.
2. Send reports promptly to the Exhibitions Chairman.
3. Please type, print or write very clearly, and be sure spelling is correct.

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
<i>ALABAMA</i> Birmingham			Mrs. L. H. Amberson Mrs. Frank Punch Mrs. Roy Kendrick Mrs. J. A. Rollestone Jr.	Mrs. J. A. Rollestone Jr. Mrs. Robert Haden Mrs. Lester Fanning
Birmingham Florence	D-11, Clarice Batson	Flower Haven Nursery		
Guntersville Huntsville Tarrant	1-66, B. Howard Camp 65-11-1, Herbert Sherrod	Mrs. Floyd Garner Mrs. George Davis	Mrs. Robert Haden Mrs. Lester Fanning Mrs. L. L. Roddam Mrs. O. B. Terry Jr.	
<i>ARIZONA</i> Phoenix Tucson	A-22, C. G. White	Mr. Edward G. Fraedrich	Mrs. H. B. Austin Mrs. John M. Jackson	Mrs. G. G. Williams Mr. Ronald MacBain
<i>ARKANSAS</i> Hot Springs Little Rock	65-4-96G, Oren Campbell 68-6, Richard Morgan		Mrs. Nola Smitherman	
<i>CALIFORNIA</i> Arcadia Arcadia	65-34C, Lura Roach 6 Sal-Salim D, Wilkes Hb26a, John Holden Ha27a, John Holden Spiced Coffee, John Holden 65-12-8, Doris Foster 65-20, Walker Ferguson 65-25, Walker Ferguson 66-2-II-8, Stanley Foote S67-11, Beulah Stuteville		Sylvia Beck Doris Foster	Doris Foster Sylvia Beck
Arcadia	63 DS M, Mrs. P. V. Cooper 1764J, Tom Graham	Doris Tracy	Felice Mendoza Mrs. Walter Brussow	Felice Mendoza
Bakersfield Bakersfield Carlsbad Concord Del Mar Modesto Redding	64-37B, Keith Keppel B66-E33, Frank Bushey	Mrs. R. Nelson Nicholson Andrew Houck Avis Cullis Helen Gaines Arthur & Helen Gaines	Mrs. Douglas Morissette Georgia Maxim	Peg Kendall Peggy Ephland

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
Redding	PD-JF, Carl Miller	Andrew Houck American Audubon Society	Peggy Ephland	Maxine Cook
Riverside	Stepchild, Bernard Hamner 64-4, Walker Ferguson			
Sacramento	64-37X, Keith Keppel 64-41A, Gordon Blomquist	Mrs. Naida Bahling Mr. William Pierce	Mrs. Harry Kennedy	Mrs. Michael Thomas
San Diego	L-4, Dr. Gordon Loveridge	Mrs. N. R. Carrington		W. J. Gunther
San Diego	68-12, Walker Ferguson 14, Ray Hiser	Fern Pilley Eleanor McGown Thelma Carrington Bill Gunther S. B. Botanic Gardens	Margaret Erickson	
Santa Barbara		U. S. Forestry Service Audubon Society Dos Pueblos Rancho	Mrs. Harold Bradbury	Mrs. Richard Reynolds
<i>COLORADO</i>				
Brush	68-1, Mrs. Dan Edelman		Mrs. Everett Lumpkin	Mrs. Henry Hoffman
Colorado Springs	B-63-33, Ethel Hollingsworth		Mrs. Sanford Dee	Mrs. Suzanne Rodgers
<i>GEORGIA</i>				
Atlanta	5-27A65, Opal Brown 3-1C30, Opal Brown		Mrs. Cecile Day	Mrs. Cecile Day
<i>IDAHO</i>				
Boise	2-9-67, Mrs. B. F. Lindley 304-6, Hazel Reay 63-63, Chet Tompkins LC-67-1BB, Lucile Conrad		Mrs. B. F. Lindley	Mrs. B. F. Lindley
Twin Falls		Mrs. Ed Conrad	Mrs. Victor W. Nelson	Mrs. Victor W. Nelson
<i>ILLINOIS</i>				
Hillside	66-52, James Marsh 67-16, James Marsh 66-78, Nathan Rudolph #6, Avis Varner			Lillian Dushek
Mount Prospect		Skokie Valley Hort. Soc.	Laura Lee Christoph	Laura Lee Christoph
<i>INDIANA</i>				
Indianapolis	64R45, Earl Roberts		Mrs. Clarence Leavitt	Mrs. David Price
<i>KANSAS</i>				
Baxter Springs	2-64, A. R. Soos	Mr. Lloyd Schoonover	Mrs. Harold Boyd	Mrs. Harold Boyd

Garden City	D-15, Sam Street	Mrs. M. L. Russell	Mrs. M. L. Russell
Hutchison	64-47A, Bill Brown	Mrs. Pat Dixon	Mrs. Fred Goering
Parsons		Mrs. Lee White	Mrs. Lee White
Wichita		Louise Hendricks	Laura Romick
Wichita		Louise Hendricks	Louise Hendricks
KENTUCKY			
Lexington	66-61-1, H. C. Mohr	Mrs. Edwin D. Lancaster	
St. Matthews	165-B-W, Mrs. C. Daniel Overholser	Mrs. C. Daniel Overholser	Mrs. Henry J. Willenbrink
LOUISIANA			
Lafayette	FÆNELIA HICKS, Chas. W. Army		
	OH-2-66, Charles W. Army		
	CrW-1-66, Charles W. Army		
MAINE			
Auburn	44, Prof. Brooks Quimby	Daniel Stevens	Bernard McLaughlin
MASSACHUSETTS			
Worcester	Mesmer, Mr. Peter Markham	Mrs. Bert K. Dickinson	
MICHIGAN			
Flint	66B40-13, Mr. Harold Blackmer	Helen Krueger	Helen Krueger
Kalamazoo	65-54-1, Carl & Mabel Bacon	Mrs. Donald Arnott	Mrs. Donald Arnott
Kalamazoo	664, Art H. Hazzard		
Lansing	7-6, Beulah Robinson	Mrs. A. H. Beyer	Marjorie Mlejnek
Livonia	64-30, Vina Hall	Mrs. L. Kaul	Mrs. L. Kaul
Mio	X-BS-BB-3, Evelyn Roberts	Lena Shantz	Mrs. Lary Lou Green
MINNESOTA			
Bagley		Mrs. Lulu Skall	Mrs. Gulsvig
Edina	66-A-2, Bakke-Messer	Mrs. Carl Johnson	
MISSISSIPPI			
Jackson	Miss BELHAVEN, Miss Ruth Blackburn	Mrs. A. C. Hopton	
Jackson		Mrs. Rush Graves	Mrs. Rush Graves
MISSOURI			
Neosho			
Washington			
MONTANA			
Missoula			
		Miss Patty Johnson	Miss Patty Johnson
		Mrs. Alvin Kappelmann	Mrs. Alvin Kappelmann
			Mrs. John J. Hogan

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
<i>NEBRASKA</i> Crete Lexington	CREME DE MENTHE, Wolff-Hildenbrandt	Hildenbrandt Iris Gardens	Mrs. Edward Hesh Mrs. Jim Jones	Mrs. Edward Hesh Mrs. Jim Jones
Norfolk	F68-27, Lena Freudenburg	Mrs. John Cox Wayne Buckholz Lena Freudenburg	Lillian Bierman	Larry Harder
Omaha	68-1, John W. Mullen	Mrs. J. N. Cox Arnold Schliefert	Mrs. W. A. Rohling	Mrs. W. A. Rohling
<i>NEVADA</i> Henderson			Mrs. Avona Fulks	Mrs. Avona Fulks
<i>NEW JERSEY</i> New Brunswick	K38, Dr. F. J. Knocke	Mrs. Barbara Walther	Mrs. Ralph Berkson	Mrs. Ralph Berkson
<i>NEW MEXICO</i> Albuquerque Hobbs Roswell	3-331B, A Rosensweig	H. N. Toland Mrs. L. B. Boellner	Tommie Lou Cooper Mrs. S. P. Hannifin	Mrs. Bobby O. Allen Mrs. Greg Garnett Mrs. John Winton
<i>NEW YORK</i> Baldwin, L. I.	G101, William Peck 65F9, Betsy Higgins 681, Thomas Latin		Mrs. Robert Gay	Mrs. Robert Gay
Rochester			Mrs. John Patek	
<i>NO. CAROLINA</i> Charlotte	65-1-1, Mrs. Craven B. Helms Pod & Pollen Gardens		Mrs. Don Fultz	Darby Acres Garden Club
<i>OHIO</i> Akron	043, Miss Mary Louise Dunderman 164-145, Dale Satterwhite 64-12, Myron Beard	Mrs. Lec Eberhardt		Mrs. Wesley Siegenthaler Mrs. Carroll Gaver Mrs. Roger Strassburg
Springfield West Richfield	66-26, Mollie Tallant 67-3, Bill Frass 3-304, Mrs. Don Moon 569-60, Clyde Cochran	Mrs. C. R. Mason Teresa Archer	Mollie Tallant Mrs. George Ranson Mrs. Fred Acton Mrs. Frank Wilson Mrs. L. J. Bussey Rita Robinson	Mollie Tallant Mrs. J. W. LaDuke Mrs. Fred Acton Mrs. T. J. Archer Mrs. J. C. Bower Mrs. H. D. Cooper
<i>OKLAHOMA</i> Edmond Enid Guthrie Miami Muskogee Oklahoma City	Aril #2, Dr. C. B. Dawson	Charles E. Bradley		

Quartz Mountain Shattuck Stillwater Tulsa	6315, Dr. & Mrs. M. L. Saddoris	Mrs. A. J. Hickerson	Mrs. O. E. Zumwalt Mrs. E. M. Young Mrs. Floyd Payne Mrs. Donald W. Ross	Mrs. O. E. Zumwalt Mrs. E. M. Young Mrs. Floyd Payne
Woodward	22-68-10-C, Theda M. Clark	Mr. A. J. Hickerson		
OREGON Portland	B-65-50, Ron Beattie	Mac's Iris Gardens	Don Downing	Don Downing
PENNSYLVANIA Newtown Square			Mrs. Evelyn Kegerise	
SO. CAROLINA Columbia Fort Lawn	PCxZ, Mrs. G. T. Plyler	Fort Lawn Club	Mrs. R. Earl Robinson Mrs. Sharon Roddey	
TEXAS Belton Brownwood		Mrs. W. W. Hair Lora's Iris Gardens HRW Gardens Mrs. Edwin Poole Ruth Wilson Mr. Robert Demory		
Dallas	AG-42, The Hughes Garden		Mrs. W. Shelbie Dodd	Mrs. Frank C. Courtney
Dallas	51-4, R. E. Vache		Mrs. L. O. Jordan	Mrs. L. O. Jordan
El Paso	#6, John C. Sexton		Mrs. E. R. Murdock	Mrs. John Welch
Gainesville	AR-61, Mrs. Wiley Roberts	Mrs. Robert Bruce	Mrs. Floyd Rhoads	Mrs. Floyd Rhoads
Lubbock	Crystal Canyon, James R. Allen	Gainesville Iris Club	Mrs. Benidean Hammock	
New Braunfels				
Waco			Mrs. L. B. Shiner	Mrs. L. B. Shiner
UTAH Logan Ogden	58-1, Evelyn Barkdull 62-2-4A, Herbert Spence 62-3-4A, Herbert Spence LP66-12A, Les Peterson	Mission Bell Gardens	Thelma Saltern Mabel Decker	Thelma Saltern Mabel Decker

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
Salt Lake City	LP64-03, Les Peterson 57-124-6, Bion Tolman C-75-64, Clifford Reynolds T-61-5-2, Tell Muhlestein 63-A, John English		Sr: Mrs. G. L. Stewart Jr: Andy Burton	
WASHINGTON College Place		Mr. Austin Morgan Mrs. W. R. Mathews Noyd's Iris Garden Eden Road Iris Garden Mrs. Fred Sines	SA: Frances Smith A: Judy Nelson Jr: Vicki Moore Mrs. Charles Cooper	SA: Frances Smith A: Eileen Whatley Jr: Vicki Moore Mrs. Dee E. Wolf
Entiat				
Kennewick Opportunity Richland Seattle	OB63-10A, W. G. Kellie 608-4, R. S. Rosenfels TB64-2B, Fred Crandall BB64-47-7, Brown's Iris Garden 63W2, Dorothy Guild 6131, Charles E. Carper		Mrs. Elmo Weeks Mrs. Larkin Powell Mrs. L. W. Metcalf Mrs. E. A. Anderson	Mrs. Elmo Weeks Mrs. Walter Hoppe Mrs. W. F. Snell Roberta Snell
Spokane Tacoma		Mrs. W. R. Hubbard Mrs. Verna Cook Brown's Sunnyhill Gardens	Hester Hudsonpillar Mrs. Louis M. Haas	Mrs. Volin Bartol Mrs. Louis M. Haas
Walla Walla	2-22K, Tom M. Brown		Sr: Mrs. Jake Smith Ad: Mrs. Charles Sherer Am: Mrs. George Jones	
WISCONSIN Milwaukee	68-33, Arthur G. Blodgett		Mrs. Peter J. Baukus	Mrs. Robert G. Jensen

CONVENTION DATES

1969 Milwaukee, Wis., June 5, 6, 7.	1972 Salem-Portland, Oregon.
1970 New York City, N.Y., May 29, 30, 31.	1973 Philadelphia, Pa.
1971 Wichita, Kansas, May 12, 13, 14, 15.	1974 Cleveland, Ohio.

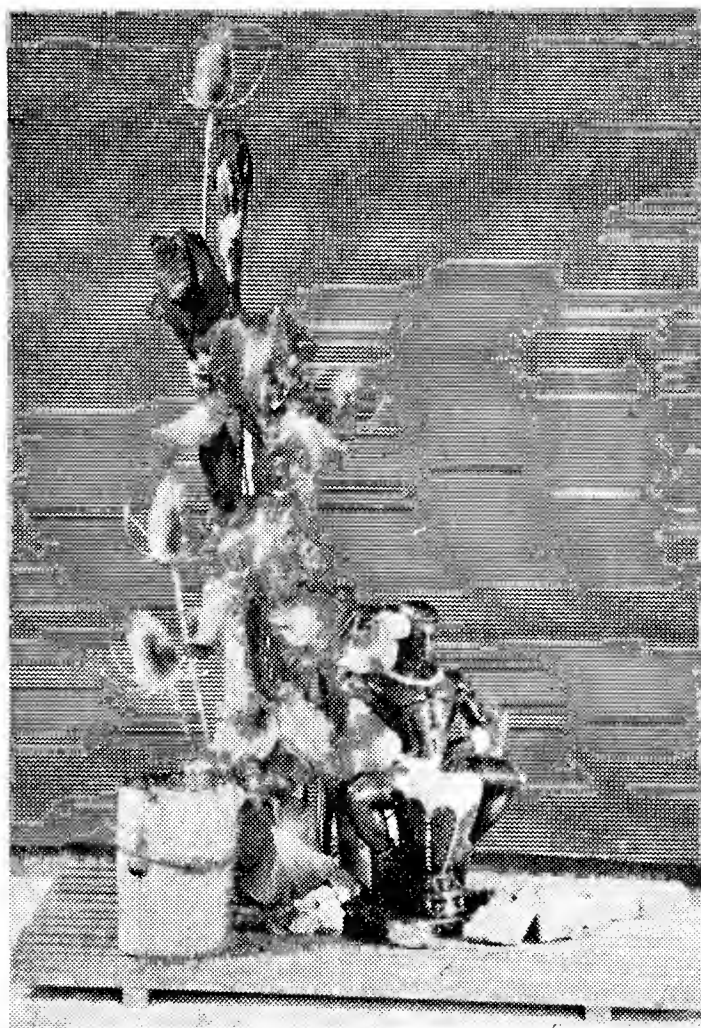


MIO, MICHIGAN

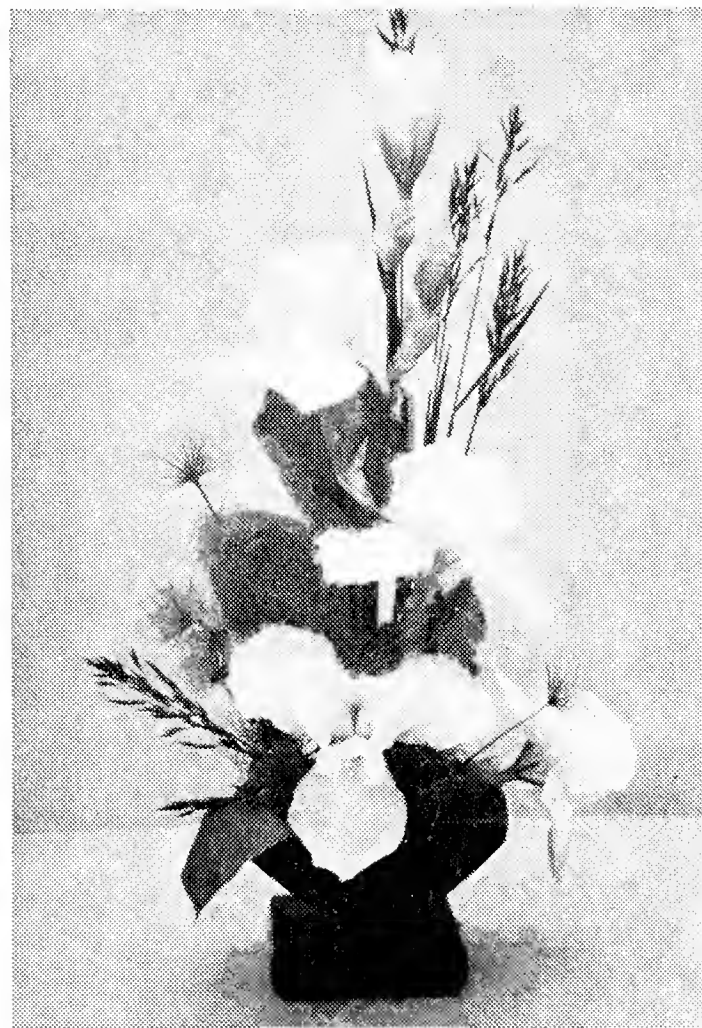
Evelyn Robarts (Judge) with runner-up TOP HAT; Ernest Shantz (Vice-President); Bennett Azer, exhibitor of queen-of-show BLUE LINEN (exhibited by Mr. Azer); Earl Fairman (Judge) with runner-up HANEBENJUNGA.



Mrs. T. O. Daley and ROYAL GOLD, Queen of Ogden, Utah, Show



Carl Starker Arrangement using BRASS ACCENTS (*Photo courtesy Schreiners*)



Carl Starker Arrangement using LEMON MINT (*Photo courtesy Schreiners*)

Judges Choice 1968

Following are the results of the sixteenth annual Judges Choice balloting. Eligible this year were the Honorable Mention Award winners in 1967 and 1968. A record number of 490 ballots was cast, although the choices were more widely scattered than we ever can remember, with every eligible receiving a respectable number of votes.

<i>Place</i>	<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
1	LAURIE	Larry Gaulter	188
2	RADIANT APOGEE	J. M. Gibson	183
3	FUJI'S MANTLE	Schreiners	168
4	BABBLING BROOK	Keith Keppel	167
5	DUSKY DANCER	Walt Luihn	164
6	ROYAL GOLD	Mrs. J. R. Hamblen	125
7	AZURE APOGEE	Dr. J. R. Durrance	93
8	TAWNY MINK	Schreiners	92
9	MULBERRY WINE	Steve Moldovan	86
10	CAMBODIA	Sanford Babson	83
11	DIPLOMACY	Keith Keppel	82
12	LIGHTNING RIDGE	Mrs. Tom M. Brown	81
13	FLAMING STAR	Gordon Plough	77
14	ROYAL TOUCH	Schreiners	75
15	ETERNAL FLAME	Schreiners	70
16	JEWEL TONE	Schreiners	70
17	TINSEL TOWN	Chet Tompkins	67
18	AD ASTRA	Sanford Babson	65
19	MUSIC HALL	Mrs. J. R. Hamblen	63
20	COUNTY FAIR	Glenn Corlew	62
21	CLOUD CAPERS	Schreiners	59
22	CREDO	Sanford Babson	57
23	MAHALO	Joseph Ghio	53
24	RETA FRY	Collie Terrell	52
25	BACCARAT	Larry Gaulter	51
25	GOLDEN PLUNDER	Orville Fay	51
25	MISS ILLINI	Steve Varner	51

Runnersup receiving 30 or more votes

SEASIDE (O. Brown)	50	MARQUESAN SKIES (Blocher)	40
TASTE OF HONEY (Schreiners)	49	HONESTY (Moldovan)	38
TIJUANA BRASS (Schreiners)	48	ORANGE VISTA (Mayberry)	37
FLAMING DRAGON (Fay)	47	MILADY (Moldovan)	36
ECHO ONE (Schortman)	46	WHITE KING (Knopf)	36
PINK FRINGE (Rudolph)	46	NOB HILL (Gaulter)	35
BARCELONA (O. Brown)	45	CERAMIC BLUE (Mayberry)	34
MINNESOTA GLITTERS (Bakke-Messer)	45	SHORT STORY (Keppel)	34
HARMONY HOUSE (Marsh)	44	CRYSTAL BLAZE (Rudolph)	33
WHITE TAFFETA (Rudolph)	44	DREAM TIME (Schreiners)	32
CHARMAINE (Hamblen)	43	GOLDEN CHORD (Hamblen)	32
SOUND OF MUSIC (O. Brown)	41	HIGH SIERRA (Gaulter)	32
		LUCILLE TOLMAN (Tolman)	32

COCKTAIL TIME (Plough)	31	GLACIER SUNSET (O. Brown)	30
EVE (Hinkle)	31	GRAND SPECTATOR (Haney)	30
HALLELUJAH TRAIL (Tompkins)	31	MARSHMALLOW (Olson)	30
JANNI (Hamblen)	31	MASCARA (C. Benson)	30
LEMON TREE (B. Jones)	31	SABLE ROBE (Cook)	30
STARBURST (Tompkins)	31	SILVER WEDDING (R. Brown)	30
APRIL MELODY (Gibson)	30	VISITING NURSE (Knocke)	30
FAVORITE TOPIC (Schmelzer)	30	WILD MUSTANG (Z. Benson)	30
FLUTED LIME (Noyd)	30		

Irises other than tall bearded which received 20 or more votes. (In cases where no cultivar of a section received this number of votes, the leader is listed.)

Miniature Dwarf Bearded

LEMON DOLL (Warburton)	20	PATSY JO (Kavan)	20
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Standard Dwarf Bearded

CHERRY GARDEN (B. Jones)	60	MOON SPINNER (Price)	22
QUAIL (L. Craig)	44	PLATINUM GOLD (Roberts)	22
BLUE CANARY (Hamblen)	27	JUST SO (Z. Benson)	21
REGARDS (Hager)	26	LENNA M. (Roberts)	21
VELVET TOUCH (Dennis)	24	IRISH LILT (A. Brown)	20

Intermediate Bearded

LITTLE BIT BLUE (Plough)	30	PREAMBLE (Keppel)	20
ORIENTAL BABY (Guenther)	28	ILLIANA (Greenlee)	20
LEMON FLURRY (Muhlestein)	25	SING AGAIN (Plough)	20
FROSTED CUPS (Warburton)	20		

Miniature Tall Bearded

ICE FAIRY (Witt)	20
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Border Bearded

BROWNIE SCOUT (Gaulter)	62	MISS RUFFLES (M. Wright)	30
LITTLE MARK (Quadros)	38	CARNIVAL GLASS (B. Jones)	27
CUB SCOUT (Plough)	32	CRYSTAL BAY (B. Jones)	26
TOY SHOP (Fay)	32	BABY SHOWER (Ghio)	25
BOTANY BAY (B. Jones)	31	REDENYELLA (Pickard)	23

Arilbred

NINEVEH (Keppel)	140	BIG BLACK BUMBLEBEE (Danielson)	25
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Japanese

PURPLE PEACOCK (Swearengen)	16
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Louisiana

MADCAP (Davis)	12
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Pacific

RIPPLE ROCK (Lenz)	15
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Siberian

EGO (McGarvey)	35	LIGHTS OF PARIS (Rich)	29
SUPER EGO (McGarvey)	26		

Spuria

CONNOISSEUR (Hager)	51	PORT OF CALL (Hager)	25
ARBITRATOR (Ferguson)	21	FAROLITO (Hager)	20

POPULARITY POLL, 1968

The Twenty-ninth Official Symposium

1968 is the year that was—so far as the Popularity Poll is concerned. There seemed to be a tremendous number of write-in votes, and heavy voting for some newly introduced regional favorites; but in the main the decline in totals reflects the lower number of ballots cast. Some Regions seemed to do as well or better than before, but the total of votes cast dropped sharply in many Regions. We are sure that the early placement in the January Bulletin is the main cause; by voting time the ballot was well out of mind. Since there is a great economic advantage in using the Bulletin as the vehicle for the ballot (other flower societies are doing the same thing), it appears it will be better to publish the ballot as a separate supplement of the April Bulletin, and clearly mark it POPULARITY POLL. While we are at it, we plan to construct the ballot for easier voting, and for easier tabulation by RVPs and the Awards chairman.

The list does reflect the choice of beautiful and gardenable irises, which gardeners can be proud to grow in their gardens. Twenty-one newcomers found their way into the list. These are: RADIANT APOGEE (17), LAURIE (19), BABBLING BROOK (23), DEBBY RAIDON (34), CAMELOT ROSE (44), JAVA DOVE (50), CRAFTSMAN (56), FUJI'S MANTLE (56), COMMENTARY (70), ARCTIC FURY (72), MAY MELODY (74), ROYAL GOLD (77), JILBY (81), HIGH LIFE (84), CHRISTIE ANNE (86), TRITON (86), WENATCHEE SKIES (86), SWAHILI (90), PATRICIA CRAIG (91), APROPOS (97) and GYPSY JEWELS (97).

These replace BLACK TAFFETA, BRAVADO, BRONZE BELL, CASHMERE, CLIFFS OF DOVER, ELMOHR, GALILEE, GLITTERING AMBER, GOLDEN MASTERPIECE, INCA CHIEF, JUNE MEREDITH, LIMELIGHT, LULA MARGUERITE, MILLIONAIRE, POLKA TIME, SNOW GODDESS, SOARING KITE, SWAN BALLET, TRULY YOURS and VALIMAR.

The favorite one hundred varieties this year, their position last year, and the number of votes cast for each is as follows:

<i>Position</i>				<i>Position</i>			
1968	1967	Variety	Votes	1968	1967	Variety	Votes
1	2	STEPPING OUT	561	15	41	GINGERSNAP	232
2	5	WINTER OLYMPICS	458	16	14	VIOLET HARMONY	216
3	1	RIPPLING WATERS	410	17		RADIANT APOGEE	208
4	3	AMETHYST FLAME	335	18	13	WHOLE CLOTH	205
5	8	ULTRAPOISE	308	19		LAURIE	190
6	4	ALLEGIANCE	290	20	20	EDENITE	189
7	12	ESTHER FAY	280	21	34	SKYWATCH	187
8	11	WILD GINGER	274	22	32	FLUTED HAVEN	185
9	6	PACIFIC PANORAMA	272	23		BABBLING BROOK	183
10	9	ORANGE PARADE	269	24	24	ONE DESIRE	181
11	15	CELESTIAL SNOW	250	25	59	CHRISTMAS TIME	180
12	7	ROCOCO	248	26	48	IRISH LULLABY	179
13	26	STERLING SILVER	242	27	49	DENVER MINT	178
14	10	BLUE SAPPHIRE	238	28	30	ELEANOR'S PRIDE	177

<i>Position</i>				<i>Position</i>			
1968	1967	<i>Variety</i>	<i>Votes</i>	1968	1967	<i>Variety</i>	<i>Votes</i>
29	18	HENRY SHAW	175	65	46	MARTEL	110
30	28	WINE AND ROSES	173	66	50	CORABAND	109
31	19	BLACK SWAN	170	67	67	FROST AND FLAME	107
32	17	OLYMPIC TORCH	167	68	45	GRACIE PFOST	106
33	23	RAINBOW GOLD	165	68	57	HAPPY BIRTHDAY	106
34		DEBBY RAIRDON	163	70		COMMENTARY	105
35	70	LILAC CHAMPAGNE	161	70	41	TECHNY CHIMES	105
36	22	DOT AND DASH	158	72		ARCTIC FURY	104
37	36	CAYENNE CAPERS	156	72	40	MARY RANDALL	104
38	27	INDIGLOW	154	74		MAY MELODY	103
39	31	RIBBON ROUND	152	75	63	WAYWARD WIND	102
40	33	CHINESE CORAL	150	76	72	BANG	101
41	55	PRINCE INDIGO	147	77	67	CROSS COUNTRY	100
42	78	KINGDOM	145	77	48	FIRST VIOLET	100
43	73	MUSIC MAKER	140	77		ROYAL GOLD	100
44		CAMELOT ROSE	139	80	52	UTAH VALLEY	98
45	51	DARK FURY	138	81		JILBY	96
46	44	HIGH ABOVE	137	82	90	TEA APRON	94
47	25	GYPSY LULLABY	136	83	65	MISS INDIANA	92
48	37	LICORICE STICK	135	84		HIGH LIFE	90
49	94	AMIGO'S GUITAR	134	85	64	EMMA COOK	88
50		JAVA DOVE	132	86		CHRISTIE ANNE	86
51	16	CELESTIAL GLORY	130	86		TRITON	86
51	67	CHAMPAGNE MUSIC	130	86		WENATCHEE SKIES	86
53	86	EVER AND EVER	129	89	96	CRINKLED BEAUTY	84
54	28	MELODRAMA	127	90		SWAHILI	83
55	98	MILESTONE	126	91	88	CLAUDIA RENE	81
56		CRAFTSMAN	124	91	65	CHINQUAPPIN	81
56		FUJI'S MANTLE	124	91		PATRICIA CRAIG	81
58	30	BLUE BARON	122	91	53	PIERRE MENARD	81
59	59	MOON RIVER	120	91	57	PRETTY CAROL	81
60	55	PIETY	119	96	60	CAPTAIN GALLANT	80
61	70	BLUE PETTICOATS	118	97		APROPOS	79
62	43	BRASS ACCENTS	117	97	87	CHRISTMAS ANGEL	79
63	85	SABLE NIGHT	114	97		GYPSY JEWELS	79
64	39	BUTTERSCOTCH KISS	112	97	83	PINNACLE	79
				97	83	LADY MOHR	79

NEW IRISES I SAW AND LIKED

PERRY PARRISH

Babson's TAMBOURINE, SHIPSHAPE, WESTERN HOST; Luihn's ROYAL HERITAGE; Opal Brown's LIGHT FANTASTIC; Gaulter's SAN LEANDRO and ORINDA; Peterson's GALA MADRID; Plough's PUNCHLINE, CHIEF MOSES and STUDY IN BLACK; Corlew's CHERUB CHOIR and FRANCISAN FRIAR; Schrein-er's MATINATA; Knopf's WEST COAST, BAY AREA and POLOLITA; Rex Brown's LAKE WASHINGTON, JUNE SYMPHONY and CORAL COMMENTS; Bledsoe's GOLDEN OPPORTUNITY; Ghio's CELEBRATION and WILLOW WISP; Keppel's BABBLING BROOK; Babson's CAMBODIA; Terrell's FLIGHT OF ANGELS; Tallant's JUANITA T; and Sexton's NEW MOON.

Iris Down Under in October and November

BETTY WOOD

When the October leaves turn red and gold in New Jersey it is iris time in Australia. And when the first November snowflakes fall it is iris time in New Zealand. Last year, traveling in Australia and New Zealand, Ira and I had a second iris season that lasted from 15th October to 5th December, as they write dates "down under."

The Sydney iris show was on 21st October. We approached it by car from 300 miles west of Sydney where we had been visiting Mary Shepherd's iris garden on her three thousand acre farm. Mary took her irises to the show by wrapping them in newspaper two days before the show and stowing them in the "boot" of her car. We stopped overnight on the way to Sydney and she stood them in water, keeping them still closely wrapped. Late the next day she unwrapped them in the show hall in Sydney and they opened over night, to win awards on the show benches the following day!

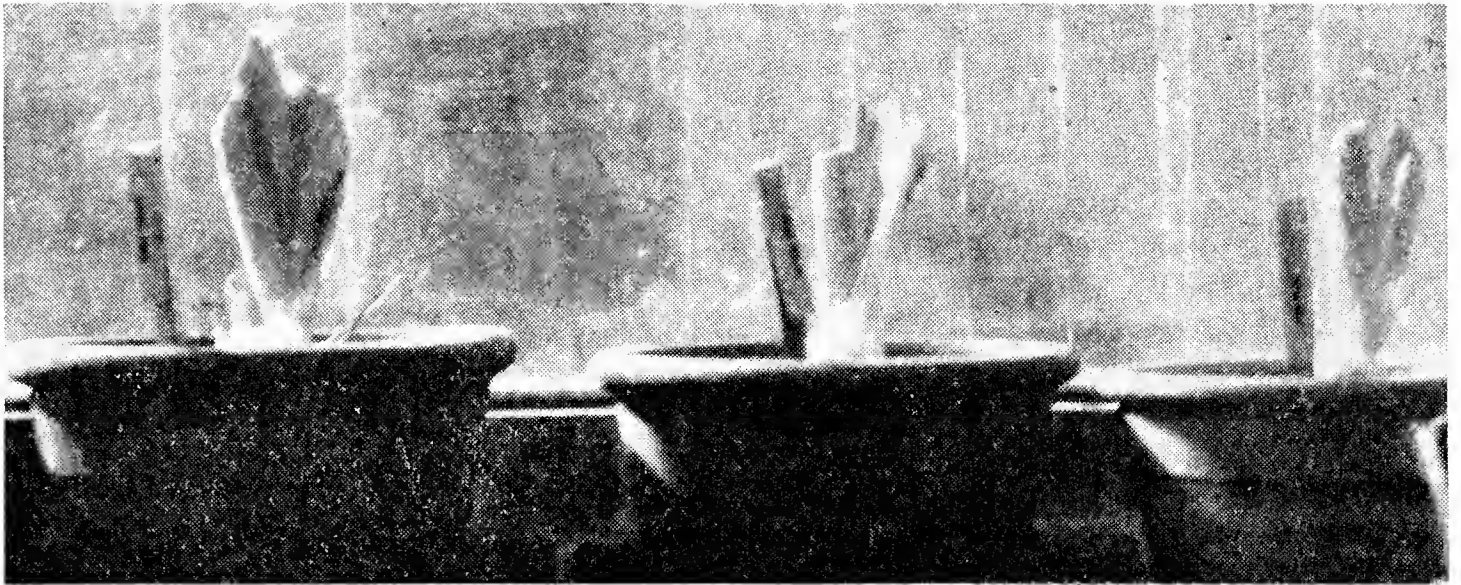
In the lush garden of Jean and Ira Pryce-Jones, overlooking the Cove River near the Sydney harbor, we saw irises growing beside magnificent sprays of orchids in full bloom. As in our humid south, Louisianas and spurias flourish in the Sydney area, but the tall beardededs have a harder time of it. Dr. Gordon Loveridge, President of the Australia Iris Society (their AIS), has produced some fine new spurias and has successfully flown them to shows in the United States. The spurias in the Sydney show were as fine as any we have ever seen. We judged one of the sections of this show and Ira brought greetings from the American Iris Society to Ira Pryce-Jones, President of the region and to the group assembled for the ceremonies associated with the show. Betty was honored by being asked to present the awards.

All irises imported into Australia must be grown in quarantine, isolated from all other plants, until they have been proven free of disease. Ordinarily they are held in government quarantine for a period of two or three months and opinion seemed to differ widely concerning the condition of the plants on release. Some found them in excellent condition and ready to put on good garden growth. Others seemed to have been less fortunate.

If a private grower can provide suitable quarantine conditions he may receive the irises directly. In the Everingham garden in Sydney we saw a double-walled glass quarantine house provided with a lobby-like double-doored entrance. Many large clean pots, each with a newly-received iris, sat on benches inside the glass house in immaculate isolation.

The Victoria district, farther south, has a somewhat later season. On 22nd October we flew from Sydney to Melbourne, Victoria, where we were met by Jean and Alan Johnson, who had come 200 miles from their Tongala dairy farm, north of Melbourne, to meet us. We have grown Alan Johnson's seedlings in our garden and have corresponded with him for some time. For two days the Johnsons showed us irises in Melbourne gardens and koalas, emus and wallabies in Melbourne zoos. Gardens here are commonly between the house and the street, separated from the street by a fence, usually a low fence. Among irisarians, at least, there will also be a garden behind the house.

We gave an illustrated talk on *Iris Growing* in the United States to the



Irises in Pots in the Earlingham Quarantine House.



Jean Collins and Ira Wood in Collins Garden.

Both Photos by Wood

Victoria group in Melbourne. The interest in American irises is great and they depend heavily on the Judges' Choice list for guidance in their selections. The climate near Melbourne is much more favorable for tall bearded irises than that farther north and we saw many irises as well or better grown than we have seen them at home. Such up-to-date iris as GINGER-SNAP and JAVA DOVE were blooming on one-year plants, still a bit confused to find themselves blooming in October. When we visited the Johnson garden in Tongala we saw a row of more than a dozen plants of WINTER OLYMPICS, planted well before it won the Dykes Medal.

At the Melbourne show, on 30th October, Ira again brought greetings



CAPE CUPPACINO (Hart)
Both Photos by Wood



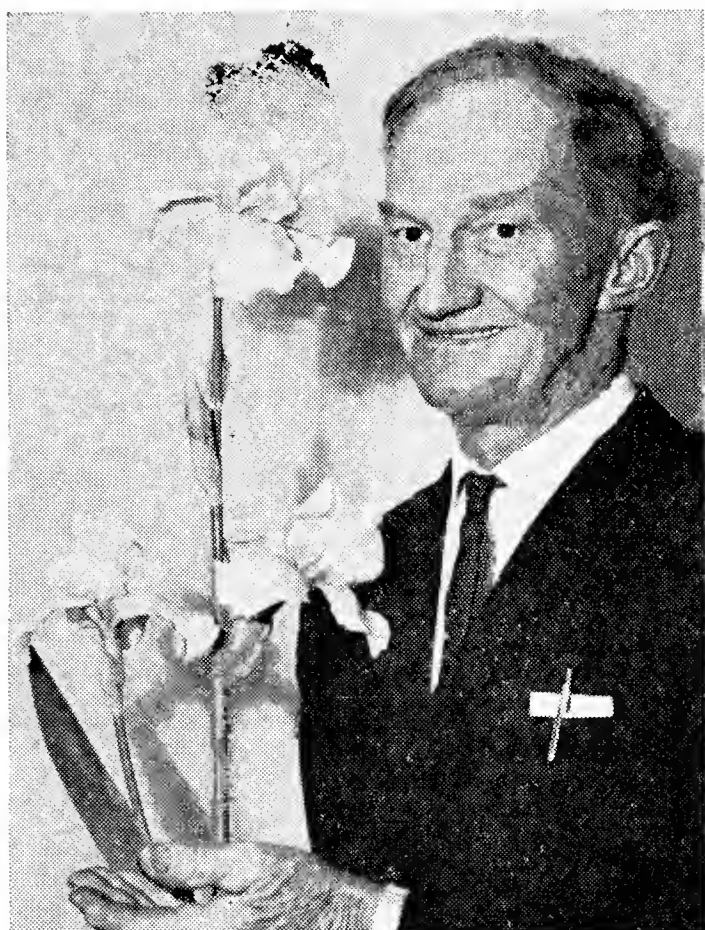
MARILYN C X WHOLE CLOTH
(Johnson)

from the American Iris Society to the regional president, Bob Jones of Melbourne, and to the Victoria group. In Melbourne, as at the Sydney show, seedlings were judged right in with named varieties. The justification for doing this is that they will have to make their way among the named varieties and should not be accorded special treatment if they cannot stand this comparison. Although there is very little hybridizing activity farther north, there are several active and skilled hybridizers in the Victoria region.

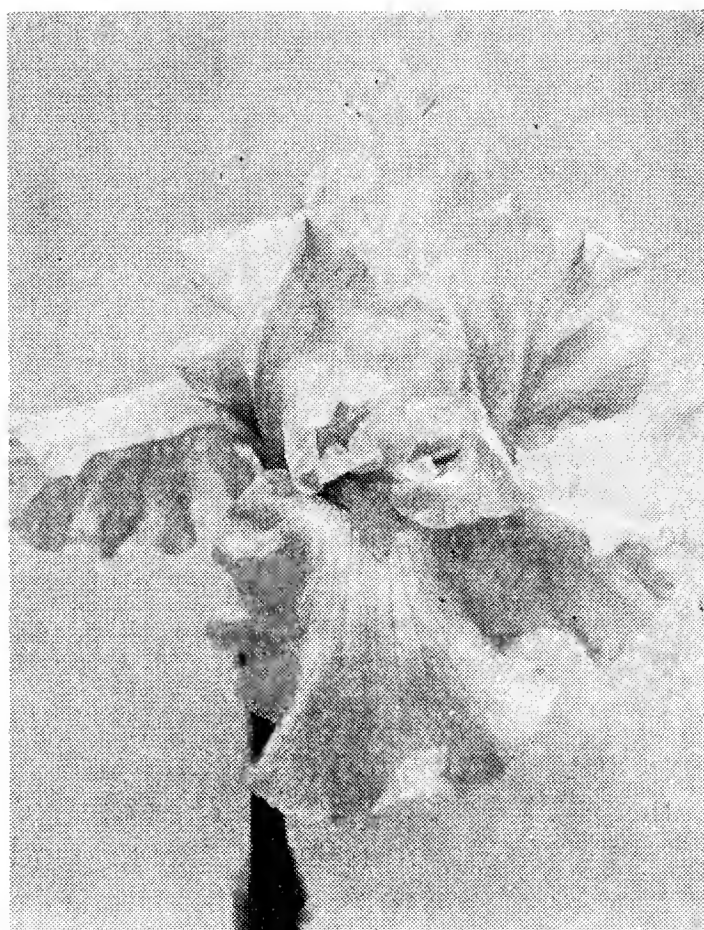
Alan Johnson walked off with most of the honors at the Melbourne show, where Betty was again invited to make the presentations. A stalk of WINTER OLYMPICS from that row along the fence in Tongala won Best of Show and the runner-up was a fine yellow Johnson seedling with the strange parentage, (PINK FORMAL X PARTY DRESS) X WHOLE CLOTH. We will be guesting this seedling this year.

In both the Sydney and the Melbourne shows there was a class for single blooms on 2 to 4 inch stems in short containers. Such a class makes it possible for exhibitors to show new and rare varieties without forfeiting the whole stalk. In years of early or late bloom it makes possible the use of a stalk that has only a single bloom on it so that those attending the show get a chance to see a flower that might otherwise be missed entirely. It seems to me that we in the United States might well consider copying this South Pacific practice.

We saw just one commercial garden in Australia, that of Charles Blyth and his son Barry. They have a quarantine area surrounded by a high board fence with a locked door. Not even weeds may be removed from this



Allen Johnson and
WINTER OLYMPICS (O. Brown)
Queen of Melbourne Show



(PINK FORMAL X PARTY DRESS)
X WHOLE CLOTH (Johnson)
Runner-up at Melbourne Show

Both Photos by Arthur Gulliver

area until the irises have been released by the government agent. In this garden we especially noticed the Blyth iris JEAUNATRE (French for *yellowish*), a fine flaring yellow with size and substance, and CAPE CUPPACINO, a good brown plicata produced by Mrs. Hart. John Baldwin, a Melbourne hybridizer, is working with yellow and white things and has a good tangerine beard on one which we hope to guest for him in New Jersey.

Morning tea and afternoon tea are as essential as lunch and dinner for these folks with English ancestors. We couldn't tear ourselves away from the Blyth garden so Mrs. Blyth sympathetically served tea to us among the iris rows.

On 2nd November we flew east across the Tasman Sea from Melbourne, Australia, to Auckland, New Zealand, a distance of more than 1500 miles. We picked up a right handed car in Auckland and spent a harrowing half hour threading our way through the city traffic, driving on the left, with the gear-shift lever where the turning signal ought to be and the rear-view mirror up to the left.

The year 1967 was not a national convention year in Australia, but it was in New Zealand. The convention headquarters were at Tauranga (pronounced Tow-wrong-a, with the Tow rhyming with cow). This is a beautiful, hilly town on the Bay of Plenty, North Island. Three busloads of convention guests visited gardens, stopping always for a wonderfully elaborate morning tea and again for a calorie-rich afternoon tea, with luncheon in between. Tea is also served before you rise in the morning and again just before bedtime at the final meal of the day, known as "supper",

which is fortunately much lighter than the other teas. The regular evening meal is known as Tea, with a capital T.

In between all this fine feasting we saw beautiful gardens, most of them not featuring irises, but growing them among other border flowers. Fuchsias grow readily out-of-doors here and we saw some spectacular new hybrids. The convention had poor luck on weather with a lot of wind and rain. The sun shone, however, on the garden of Hec and Jean Collins, a large commercial garden with such fine iris as PRINCE INDIGO and GINGERSNAP in a display bed near the house. The Collinses are active hybridizers themselves and are sending some of their introductions for us to guest in New Jersey. They are trying to develop a brown that is fully hardy in their mild climate, since this color seems to be in demand there.

There were two evening meetings. In one we gave an illustrated talk about American iris growing and AIS conventions, incidentally mentioning the practice of labelling buses with iris names. Next morning Hec Collins was out early, sticking iris names on the buses.

The other evening meeting was a business meeting where they discussed, among other things, the question of a suitable memorial for Jean Stevens, their most famous hybridizer, producer of PINNACLE, SUMMIT, FOAMING SEAS and SUNSET SNOWS. Some wanted a trophy, to be won in competition; others wanted a container, suitably inscribed, to be on display with Stevens' introductions in it, at each convention. Being unable to agree on a memorial that seemed suitable to everyone, they decided to postpone the decision for a year. We were especially interested in this discussion because we had met Jean and Wallie Stevens when they came to the United States a few years ago and she had invited us to stay with them during our New Zealand visit. When she died, shortly before our visit, Wallie wrote to us, urging us not to change our plans. So our next stop after Tauranga was to be the Stevens garden at Wanganui. However, Brian Townsend invited us to detour to Hastings on the east coast to spend the night at his home and see his irises as well as the widely-praised local scenery. We accepted the invitation and were very glad we did. Brian is a young hybridizer who is producing some interesting things. We will be guesting a good while of his, ICE CARNIVAL X MELODRAMA.

When we drove to Wanganui the next day we were met in town by Ian Bell, Jean Stevens' son-in-law and energetic young secretary of the New Zealand Iris Society, who piloted us up the steep winding road to the Stevens garden on Bastia Hill, overlooking Wanganui. There Wallie Stevens showed us many of Jean's seedlings which were blooming for the first time, as well as a bed of about a thousand little green shoots from the last crosses by this world-famous hybridizer. Wallie Stevens plans to carry on Jean's work in irises, profiting from his many discussions with her. He himself is an experienced horticulturist who has collected from all over the world those rare plants which make the Stevens garden a Mecca for anyone seriously interested in horticulture.

The commercial handling of the Stevens irises has been taken over by Mr. and Mrs. Cameron of Wanganui. We visited their garden and, even in the wind and rain, we could see that the irises were beautifully grown, clean and vigorous. The garden is near the southern tip of the North Island, approaching those latitudes that the iris likes better.

On 13th November we crossed to Picton on the South Island by a three-hour ferry and picked up a different car which took us by winding mountain roads to the beautiful seaport town of Nelson. Mrs. Gausel's garden in Nelson and Mrs. Malcolm's garden near Nelson were two commercial gardens where we saw clean, strong, well-grown plants of familiar modern varieties. The climate here is well suited to the needs of the tall bearded iris and some American varieties grow taller and larger here than they do at home. Jean Stevens' irises were of course much in evidence and we became attracted especially to her FOAMING SEAS. The individual blossom, ruffled pale blue with light haft markings, had not seemed distinctive at first sight, but we soon found that the generously floriferous plant with its abundant blossoms looking indeed like the tumbling froth of foaming seas, had a distinct personality which made it at once recognizable in every garden.

Driving down the east coast of the South Island, with snow-capped peaks on our right and the great blue Pacific Ocean on our left, we came to Christchurch, the home of David White, a former president and honored senior advisor of the New Zealand Iris Society. He and his gracious wife, Myrtle, showed us around the Christchurch area and it was there that we visited the especially interesting garden of Mr. Charles S. Thomas. Giving up most of a much larger property, Mr. Thomas has retained about an acre of land which has a good stream flowing through it and well-drained banks above the stream. A high fence surrounds the garden. Opening the door in the fence, one sees a most perfectly kept and imaginatively landscaped garden with each spot used to best advantage. Along the stream Louisiana and Japanese irises grow, some with their feet in water and obviously enjoying it. On the slope of the banks and at the upper level are the tall bearded irises. The high fence protects the garden from wind. There are no weeds, no leaf damage. If you have a bit of a stream, why not build a hill beside it and a fence around it and have a gem of an iris spot like Charles Thomas's garden in Christchurch?

We moved south with the blooming season and should have seen peak bloom at Madge Snow's lovely home on a thirty-six thousand acre sheep ranch which forms a big patch on the South Island map. However, there was a freak blizzard that trapped spring tourists over night on drift-blocked roads and we drove through snow to find most of the Snow garden still in bud on the 22nd of November.

On Thanksgiving Day we went on an iris tour with the Alexandra group where, although somewhat south of Madge Snow's garden, the irises were blooming because the lower elevation resulted in a warmed climate. About forty local irisarians gathered at the home of Mr. and Mrs. Jackson who have five acres of cherry trees, all under screening to protect them from the birds. We think that each of the attending members tried to outdo the others in providing a fine dish of luncheon fare. After luncheon we gave a talk and immediately after the talk there was a sumptuous afternoon tea, again with many rich and delicious dishes provided by the members, even though they didn't know that this was a traditional feast day for us. That afternoon we enjoyed the last of our garden visits, at a little more than 45° South latitude, ending our second season in 1967, the richest iris year we have ever experienced.



Mrs. Richard Butler admires
spurias in the Foster Garden (*Photo*
by Long)



Clarence Protzmann, Chairman
of the 1969 Milwaukee meeting.
(*Photo by Long*)



Mrs. Lloyd Austin with SPOONED
LACE (*Photo by Long*)



Bob Brown and his 67-67 (*Photo*
by Long)

THE GARDEN STATE IRIS SHOW --- 1968

MARY WAIS

The Garden State Iris Show now is only a pleasant memory, but let us examine our successes and failures to see how we can improve.

A flower show has two prime functions: One, to create a worthwhile project for complete membership participation; and two, to display our lovely bloom to an interested public. In too many shows, the second function never is quite appreciated fully. This damages the true value of a show.

The tall bearded irises have some outstanding features, including large and spectacular bloom, the advantage of blooming in late May when the garden urge still is strong, and the ability to survive under marginal care. Here in New Jersey we have some eight million people on a mighty small piece of property, with good incomes and a desire for lovely home gardens, and by observation I would say that irises are by far the most popular flowering plant.

Let us reexamine our past two shows. The previous four years we had not had any shows, which naturally left us rather rusty as to show management and exhibiting. Our first-year show schedule was pretty much of a bumble. We had not had the schedule approved, prior to printing, by the AIS Show Chairman; and we were using a TB schedule which did not correspond with the Color Guide. Both the AIS Show Manual and the AIS Color Classification are absolutely necessary equipment in conducting a smooth and successful show. (Editor's note: With the new R. H. S. Colour Chart being one of the approved standard color charts, the work of the new color classification is being worked at, slowly and carefully, in order to eliminate errors caused by the rush of past productions; and only those which are read often enough to be sure of accuracy will be listed. This program has enlisted the help of a number of gardeners throughout the country.) We have learned that it is wise to have the schedule completed perhaps as far as four months in advance of the show, and sent to the AIS Exhibitions Chairman for approval. He will make corrections that you undoubtedly will overlook. After the schedule is approved, you have a fine foundation for a good show.

We have a very small AIS membership in New Jersey, considering the huge amount of irises grown, and a still smaller number of actively participating membership. At least half of the membership was involved in the functions of the show; had I known all of the members, we could have found something of interest to all.

With the schedule, classification and placement go hand in hand. Last year our classification committee classified all entries. We learned that each exhibitor should have a Color Classification so he can do his own classification. This year most of our exhibitors did their own classification, but there still is need for a classification committee for the new exhibitors and for people who just find this sort of thing too complicated.

As to placement, we had problems both years. How can you stage properly 150 classes? Last year Paul Hoffmeister, our RVP and one wonderful person, and I moved some of the classes at least three times. From last year's

experience, we found that we had a large number of blues, whites and yellows; pinks and browns were short. But we forgot to make a permanent record of the number of entries per class, so we still have not solved the space problem. Rapid and efficient placement can be an important part in getting the show on the road, and with experience in allotting space to the various classes and new, more sharply defined, color classifications, we expect to solve this problem in time. There always will be some problems in classifying and placing the newer irises which are not yet classed.

We found that women are better for recording and men for placing ribbons and catering to the judges. As a double check on recordings and to speed up the getting of the necessary information for publicity, Betty Wood, with her highly trained scientific mind, re-checked all of the winners. There is a tremendous amount of accurate information which must be completed before the show is opened to the public.

Judges either can improve or badly damage a show. Last year we were short on judges; all five were from Pennsylvania; and I was personally satisfied that they did a fine job. This year we had considerable difficulty in lining up judges until the word got out that Dr. Randolph would be a judge, and then we suddenly had eleven judges, nine accredited and two apprentice. This was too many this year, since our show was two weeks past peak bloom and we had only 350 entries. We had to scrape the bottom of the barrel, and one of our commercial growers, despite the fact that his peak bloom was May 10 and the show was June 2, brought what he had to help the show. This I say is loyalty, and he gave the show credit for increasing his business.

I think that AIS needs to strengthen training for exhibition judging. There is a great difference in exhibition judging and garden judging; in garden judging you are looking for the ultimate, in exhibition judging you are evaluating the variety as it is. You also have the diplomatic responsibility to make more people, who enter shows, good exhibitors. The building up is important. We did give eleven judges some more show experience, which is necessary, since there are so few shows here in the East. Shows must not be treated as a stepchild; here in the East there is a hunger and thirst for the public to view these lovely new irises, and this would seem to be a golden opportunity to spread the iris gospel. This has been borne out by our last two shows, for despite the fact that the last two show dates did not hit the bloom season, our attendance was very high, even with the rain all day for one of the dates.

We have an excellent publicity setup. Our Garden State Iris Society Publicity Girl, Elma Rake, does a spectacular job. Our pre-show publicity really is something to be envied. Elma contacts all the large newspapers and many of the smaller ones, and the radio media. The Rutgers University Publicity Department gives us complete coverage, especially stressing the fact that new iris varieties will be at the show.

We always strive for several educational features. This year we had a real Queen-of-the-Show in Barbara Walther, one of the most remarkable persons in New Jersey. This lady loves irises and she has a unique way of spreading this love to everyone who comes in contact with her. We had Mrs. Walther billed as showing the public how to do hybridizing, and spectators lined up three-deep at her booth. People were enthralled.

We know that exhibitors make the show and to encourage them we have some 150 classes and the very necessary bait—trophies. There were seventeen trophies donated by the membership, and the best-in-show bought by the society. The trophies were not supposed to cost more than ten dollars, but if you could have seen them you would have to admit that these people are superb shoppers.

We have a seedling section, and with such superb hybridizers as Dr. Knocke and Mel Leavitt, you can imagine the entries. There was some feeling that these seedlings should be included in the regular classes, and thus really competing to see if they are worthy of introduction. This has been done in some other plant societies, and should receive some serious consideration.

Our Junior section belongs to the young, and they can show us “oldies” a thing or two. There are two trophies awarded, one for under 12 years of age, and one for over 12 years of age. Last year Fred and Pat McAliese’s children went home with both trophies, and, of course, “Pop” had only a red ribbon. It was not hard to see who was “top cheese!” This year the Zdepskis’ took the trophies.

The only requirement is that the younger generation must help with the weeding, but I understand that they are doing some hybridizing work, too. One of the most gratifying situations of the show was when 17-year old Joel Zdepski turned down his lunch (knowing the appetite of that age group) so he could help with the clerking.

We have tried to spread our interest beyond TB classes, and with Siberians growing like deluxe weeds here, we were able to have some superb specimens of these, as well as species, oncobreds and medians.

We also had a very fine arrangement section, based on a very good schedule, and the public was very interested in this feature.

THEY BLOOM IN THE SUMMER?

By Art Day

In the summer of 1966 I saw my first Japanese iris bloom. I was quite surprised to see it growing in San Diego as I had convinced myself that they would only grow where winters were cold, the soil was acid and there was plenty of non-Colorado River water. None of these conditions exist in Chula Vista.

At the 1967 Southern California Exposition at Del Mar I saw a large number of Japanese irises on display from the gardens of Thelma Carrington and Bill Gunther. I talked to both of them and they soon assured me that Japanese irises weren’t that difficult. They referred me to the Melrose Garden’s catalogue and before I knew it I had decided to give them a try.

A fast order was sent to Ben Hager and as I knew very little about the different varieties I asked him to make a selection for me. At the same time I prepared an “acid bed” as described in his catalogue.

The only site I had available was probably the worst possible. The soil was adobe and in mid-winter it received no sun. The rest of the year a large Chinese elm would filter the sun.

On September 1st ten varieties including WORLEY PINK, LEAVE ME SIGHING, PLEASANT JOURNEY, GEISHA GOWN and BANNERS ON PARADE were

planted and I crossed my fingers.

Shortly after planting our fall Santa Ana winds started and everything began to dry out. The "acid bed" was flooded frequently and the leaves remained green until October when they started to die off — all except WORLEY PINK.

In early November indications of a flower stalk were noticed. Mid-November was very hot and there'd been only a few sprinkles of rain since planting. The rains came the last two weeks of November and continued of and on through the first of the year — a total of some 6½" fell. Mid-December brought a very cold (for us) snap. It snowed for the first time in our recorded history — temperatures hovered between freezing and 50° for a week. It dropped to 30° on one night. Through all this the stalk continued to grow.

By mid-January hot dry weather returned and WORLEY PINK lost its leaves. The stalk remained green and the bud had enlarged to a length of 3¼" — total height was 26".

On February 1st WORLEY PINK bloomed — color and substance were very good. A measurement across the bloom gave a diameter of 5¾". I can assure you that a Japanese iris amongst narcissi and snowdrops is a sight to see. The bloom lasted two days. There was only one bud. It was interesting to note that at the time of bloom the other Japanese irises, as well as WORLEY PINK, were beginning to send up little green shoots.

Whether this was a freak or not will take another year or so to determine, but I do know that one Japanese iris did bloom in the winter — now will it bloom next summer? My fingers are still crossed.

A Texan Reports On Spurias

BARBARA BENSON

ESSAY. Twelve bloomstalks; three flowers to stalk.

MORNINGTIDE. Off white. Huge ruffled blooms. 54". Terminal and 3 flowers on each stalk.

DAWN CANDLE. Ruffled cream standards; ruffled yellow falls. On a second year clump 12 bloomstalks, each with terminal and 3 flowers.

PLENTY OF SUNSHINE. Huge ruffled yellow, deep and clear. 8 bloomstalks on two-year clump. Terminal and 3 flowers on some stalks, 4 on others. Fine substance.

GOLDEN LADY. Ruffled yellow; one of the best. On an old established clump there were innumerable bloomstalks, each with terminal and 4 buds.

WINDFALL. Tremendous and unbelievably beautiful cream-white, with broad falls, tremendous signal, flawless substance. This is gorgeous. Get it if you can.

WAKEROBIN. Elegant, rich white. Bloom large, fine substance, medium-sized signal, broad falls, somewhat ruffled. Terminal and 3 flowers.

NEOPHYTE. Much like ESSAY. A 42-chromosome intermediate.

HAZY HILLS. Tall. Sky blue. Mine all bloomed with terminal and 6 flowers. Narrow ruffled standards and falls; little signal.

LANDSCAPE BLUE. Very fine sky blue. Has terminal and 3 flowers. Signal medium size, with slight infusion of brown just below signal. Standards

moderately ruffled; falls flare and present a nice expanse of color. Did not tear with the high winds nor fade with heat and sun. One of my favorites.

ELIXIR. Rich, vibrant orange-gold.

DRIFTWOOD. Beautiful standard brown: Terminal and 3 flowers.

FAIRFIELD. The largest-bloomed spuria yet. Off white (to pale blue); huge falls with large signal. Walker Ferguson had one bloomstalk with 14 blooms. Substance is terrific.

BARITONE. Huge, tremendous, beautiful brown. Nothing else is anything like it. Tall, ruffled standards; broad, big falls with medium-sized, rich signal. Very fine cut flower. Terminal and 4 buds.

RESISTANCE TO CHANGE

ANDRE VIETTE

One of the greatest problems facing horticulture today is resistance to change and experimentation. As we join a plant society and become active in learning how to grow irises, the information we receive is in many cases the same information given a generation before or even 200 years before.

One of our truly proficient horticulturists, Milton Carleton, has shown in his excellent article titled, "*The Myth of Bonemeal*," (reprinted in the May issue of the Empire State Iris Society Newsletter) how true scientific thinking must be the basis for good gardening instead of handed down hearsay.

Horticultural literature many times contains misconceptions based on habit, years, or custom and not necessarily factual evidence. Some try to explain cultural techniques on the actions and feelings of animals and even give plants animal mannerisms. Plants do not have human qualities. They do not bend toward the light to get more light. This is a hormone-light tropism. Plant roots do not go deeper into the soil searching for more moisture. Since plants do not have the capacity to think for themselves, they can not voluntarily regulate their activities.

When reading articles we must be cognizant of the fact that each section of the country differs in climate, rainfall and soil type. We must adjust our growing techniques for our particular area. An iris which does well in Texas might not thrive in Minnesota. In Ithaca, New York, where it reaches 20 degrees below zero and is usually snow covered, it is quite different than Long Island, New York, where winters are very variable and many times lack a protective covering of snow.

Long-time gardeners many times frown upon new methods and stifle experimentation since the results might stimulate procedures which may be in direct opposition to their own customs and teachings. To grow irises or any other plant and keep up with our quickly changing plant science developments, we must encourage others to experiment with new cultural methods, even though in all probability our hard earned knowledge and experience will prove to be best.

We have experimented with irises in the area of weed control, using various herbicides, new fungicides and insecticides, and various soil media. Although flower form, texture, and substance are important, in testing iris

varieties, our main emphasis has been on garden durability. Whether an iris takes 'Best in the Show' is not as important as its bud production, length of bloom, and over-all garden durability. Is it a "flopper?" Does it hold up well in wind and rain? Is it sun resistant? Its resistance to disease and virus are important factors. These qualities many times cannot be tested in flower show competition. The most important areas, however, are flower stem production per rhizome and hardiness. Is the variety a good bloomer every year or does a high percentage of buds freeze every other year? Commercially growing thousands of irises enables us to evaluate varieties, not on the basis of 3 to 10 plants, but on hundreds of plants of a variety which are tested in different locations and varying soil types and exposures. Since irises are used mainly for garden beauty, color and design, garden durability should be the greatest concern.

In our area the traditional time to divide irises is July and in some cases August. This timing has been handed down from generation to generation. Our first encounter with bucking the established way was when bringing home irises from the garden of Dr. Randolph at Ithaca, New York. My father would visit me at Cornell at iris blooming time and visit the Randolph gardens. These plants were dug in bloom, brought home, divided and planted. This procedure was followed three years in a row, and the year following planting the irises were bigger and better with more flowers than those divided later at the traditional time. We now divide all our irises either during blooming time or just following that period. One advantage is we may sell iris rhizomes to our clients at iris blooming time. A disadvantage is, however, that when selling irises at blooming time, the rhizomes are still quite small and we must sell a main rhizome with 2-4 attached smaller rhizomes. If we waited one to one and one-half months, each of those sub-rhizomes could be sold as a separate plant. Another reason irises are usually divided after bloom is that people find it difficult to divide irises while they are enjoying the beauty of their flowers. Dividing irises in bloom is just another example where experimentation has added to the knowledge concerning irises. Although we were criticized and told it would not work, it has been gratifying to have such successful results. Try it!

Traditionally peonies have been moved only in late summer or fall. In our area commercial pressure forced the grower to dig peonies in bloom. The peonies were dug with a good ball of earth and burlapped. When we rushed the season and dug the peonies with the buds too tight they never opened; however, the following year they bloomed beautifully. We have now learned that we must wait until the bud breaks color or it opens to dig the plant. To our surprise peonies moved in full bloom or just following bloom established themselves better and bloomed better the following year than the same varieties moved in the fall. In many cases peonies moved too late did not have time to establish themselves and did poorly the following year.

Other areas of change in garden practices which we have learned by experimentation, either by design or accident, are:

1. Astilbe grow and flower better in the shade than in the sun.
2. Phlox paniculata perform better when peat moss is used as an organic material instead of manure.
3. Overwatering is the leading cause of plant death of herbaceous plants,

not drought.

4. Acid fertilizers constantly applied to acid soils, especially if peat is added, can cause the soil to become too acid and detrimental to even the acid loving plants planted there.

5. Fresh barnyard manure, even if composted, contains many weed seeds, and when used on iris beds infests the garden with weeds.

6. Making a compost pile using iris plant-parts which might harbor nematodes, disease, or insects will only re-infect the garden when used later in preparation of a new iris bed.

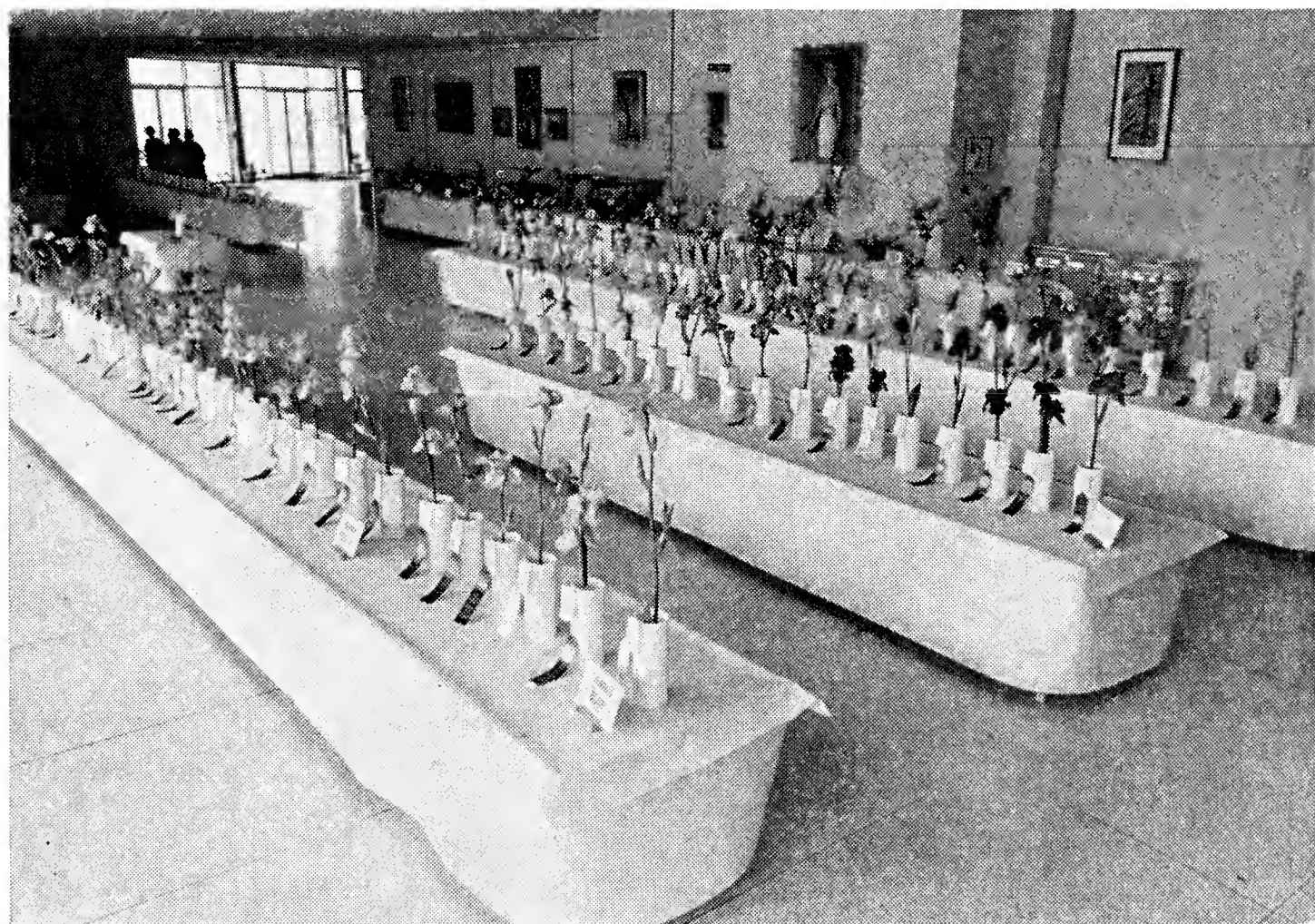
7. Late feeding of roses stimulates late growth and flowering, but also reduces the winter hardiness of the rose by delaying the maturing and hardening processes of the plant.

8. Most herbaceous perennials can be moved at any time of the year, including when in bloom, with the exception of tap rooted plants such as lupine and hibiscus.

9. Adding sand to a clay soil does not improve drainage. Sand plus clay equals cement.

Experiments continuing at our nursery include systemic insecticidal control for iris borers and tests concerning moving poppies in full bloom, cutting off the foliage and bloom, dividing poppies in full bloom and making root cuttings at that same time. The first year has proved very successful and tests will be repeated.

We must be receptive to new information and change, for we have just now begun to scratch the surface of horticultural knowledge.



HOT SPRINGS IRIS SHOW 1968

THE LATE LATE SHOW

GORDON BLACKWELL

"I wish that you had come earlier when we had some blooms," was Marcia Cassebeer's greeting to a visitor on June 25, 1967. This was a late year for them at West Nyack, N.Y., and although she was surprised to learn that the visitor was interested in what was still putting on a show at the end of the TB season, she and her husband Fred had several things to look at.

In nearby Spring Valley, Veronica Quist had said, "So many good late irises are never seen by the judges." Yet to those who live for bearded things in their own gardens there are some nice season stretchers which will make the gap from spring to spring a little shorter.

In late June the Cassebeers, for example, could show well-blooming clumps of CHINESE CORAL (Fay '62), with its flamingo tints. This seems to be a little later than another tangerine bearded light melon called MEMORIES (Sass '52), which is always a late performer for me. Henry Sass told us he named it in honor of his mother, which adds meaning when we admire it.

KINGDOM (Fay '63) is one of Fred's favorite yellows and though promised for midseason, it often is late. It is rich golden yellow, prolific of buds, which extend the season for so many, and may have little faults (sometimes weak stems). For weak stems in deep yellows, none topples better than MOHAVE GOLD (Sass '55), which is always the last of the TBs for me. I tie it to a low trellis and revel in the richness of gold it gets from its double dose of OLA KALA in its background.

OLD COLONY ('60 Knowlton) is a large ruffled gold self with a cream blaze and some veins and ruffling. It is very late (three bud stages to go on June 23, 1967 at Presby Memorial Gardens, Montclair, N.J.). This one is larger than MOHAVE GOLD and a color that somewhat resembles ROYAL GOLD, and has some weakness of stem. Similar comments would apply to the opulent SUNSITE (Plough '63)—though a little earlier—a very ruffled tardy gold.

The only late gold with very strong stems I have thus far found is MARGARETE GRAFIN VON KIRSCHBACH (von Martin '62), also at Presby, though not in most catalogs. It is a lacy yellow, with a lighter blaze and some flare, but somewhat lacking in heat resistance, so important for lates in full sun. However, planted where it would be shielded from sun at the hottest part of the day, it might perform without fault. In fact, where lateness is anticipated, this kind of location helps delay the triggering of "late late" performers.

EXTRAVAGANZA (Douglas '43) has a droll name by today's standards. It is a small and somewhat tiresome bicolor with mulberry falls and creamy stands, but it is always very late, hanging on in half shade where it will perform well with fertilizer until most are gone.

Harry Kuesel of Greenvale is very interested in late irises and has worked out a color chart of those he found late at his Long Island garden (see the ESIS Newsletter of February 1967). He drew attention to a child of EXTRAVAGANZA, which is a white and purple amoena of more

flare and interest, called HEADLINES (Brummitt '53 and a '59 British Dykes winner). It has the delay tendency, but not to the degree of the ubiquitous parent.

Other widely grown lates are VANITY FAIR (Hall '50), which is not the equal to many of his earlier blooming pinks; LATE SNOW (Douglas '46), which is a white that often does not bloom for me; ARAB CHIEF (Whiting '42), a tan blend that is so good to have when little else is left; PRINCE INDIGO (Schreiner '64); OLYMPIC TORCH (Schreiner '58); and even FIRE BRIGADE (Schreiner '57), which has been a late red for so many on the East Coast, though the introducer says it is "EM"—a regional performance difference?

In the "oldie" late class are ARGYNNIS (Baker ?), a yellow self with very deep purple veins on the falls, which calls to mind LORELEY; and CAMEROUN (Cayeux '38), a slightly flaring deep blue self with good but shortish stems.

Leading "ladies" at the fadeout will be PARTY DRESS (Barber '40), which is a floriferous light melon pink with some unobjectionable veins but falls that can hang unattractively; and HIGH HEELS (Linse '58), a flaring nice wisteria-blue. A dependably delayed action blue-white is the ruffled ARCTIC SKIES (Fay '59). SHILOH (Wills '53) is a blue blend that puts on one of the best shows of the VLs, although watch out for its *weak* stems in some regions.

On that very hot day, you may be pleased to see ICE CARNIVAL (Graves '41), a cooling blue-white which is obligingly shy about making its bow.

CARIBOU TRAIL (Plough '56) is a light brown and yellow blend with a lavender blaze and much lace that comes late. One of its ancestors—TWENTY GRAND (Maxwell-Norton '52)—is even more to my liking and I'm trying it this year in semi-shade to see what happens.

SEPTEMBER SONG—not a rebloomer in spite of the name—is exceptional in the scene when it is late (Hamblen '60 calls it E-L). This one has much ruffling, light orange and yellow blend with a cream blaze, some flare and well-concealed veins.

There are many new and exciting catalog listings of VL iris that we are eager to see. It is good that the hybridizers continue with the "late late show" that so many of us hang around to see.

MOUNT CLARE IRIS GARDENS

Introducing for 1968

RADIANT SMILE. Arilbred. 24". Sdlg. 66-2. Received an HC this year, 1968. White standards; bronze falls; brown beard. DARDANUS X KALIFA KASHAN

Henry Danielson

3036 N. Narragansett Ave.

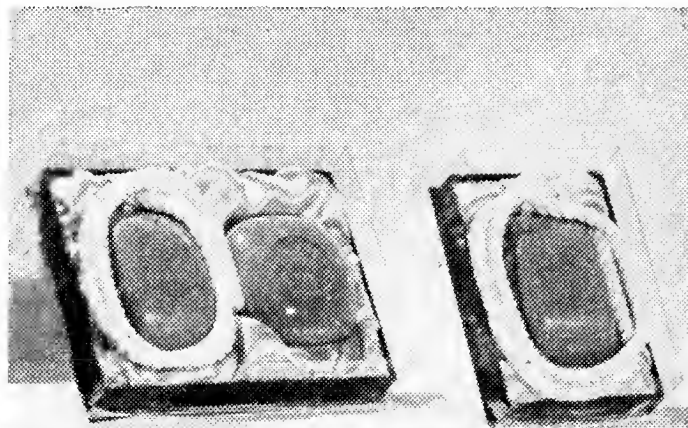
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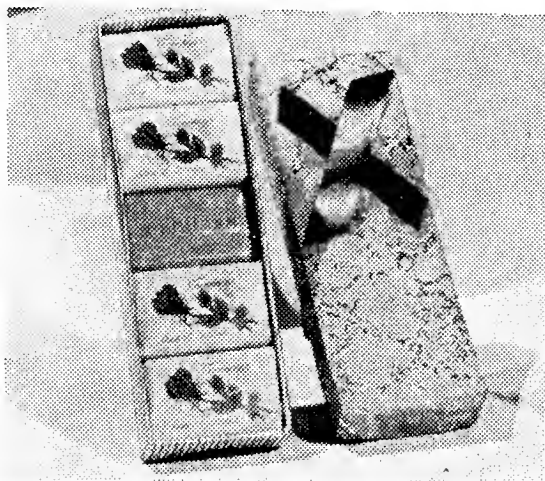
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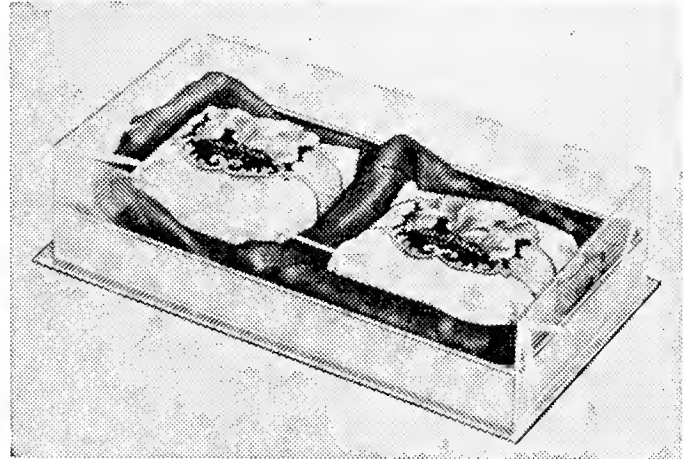
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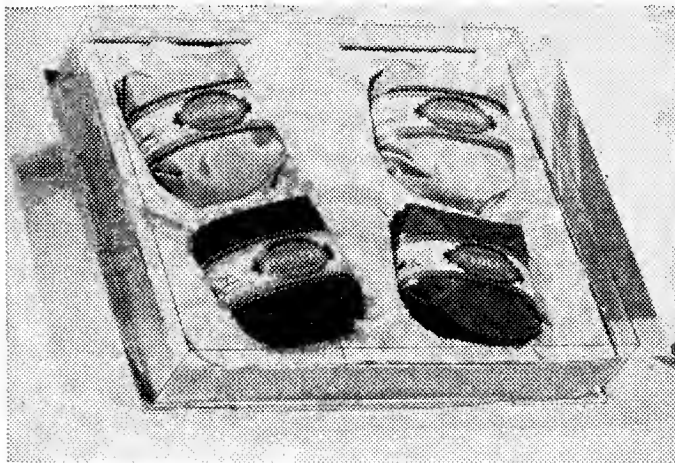
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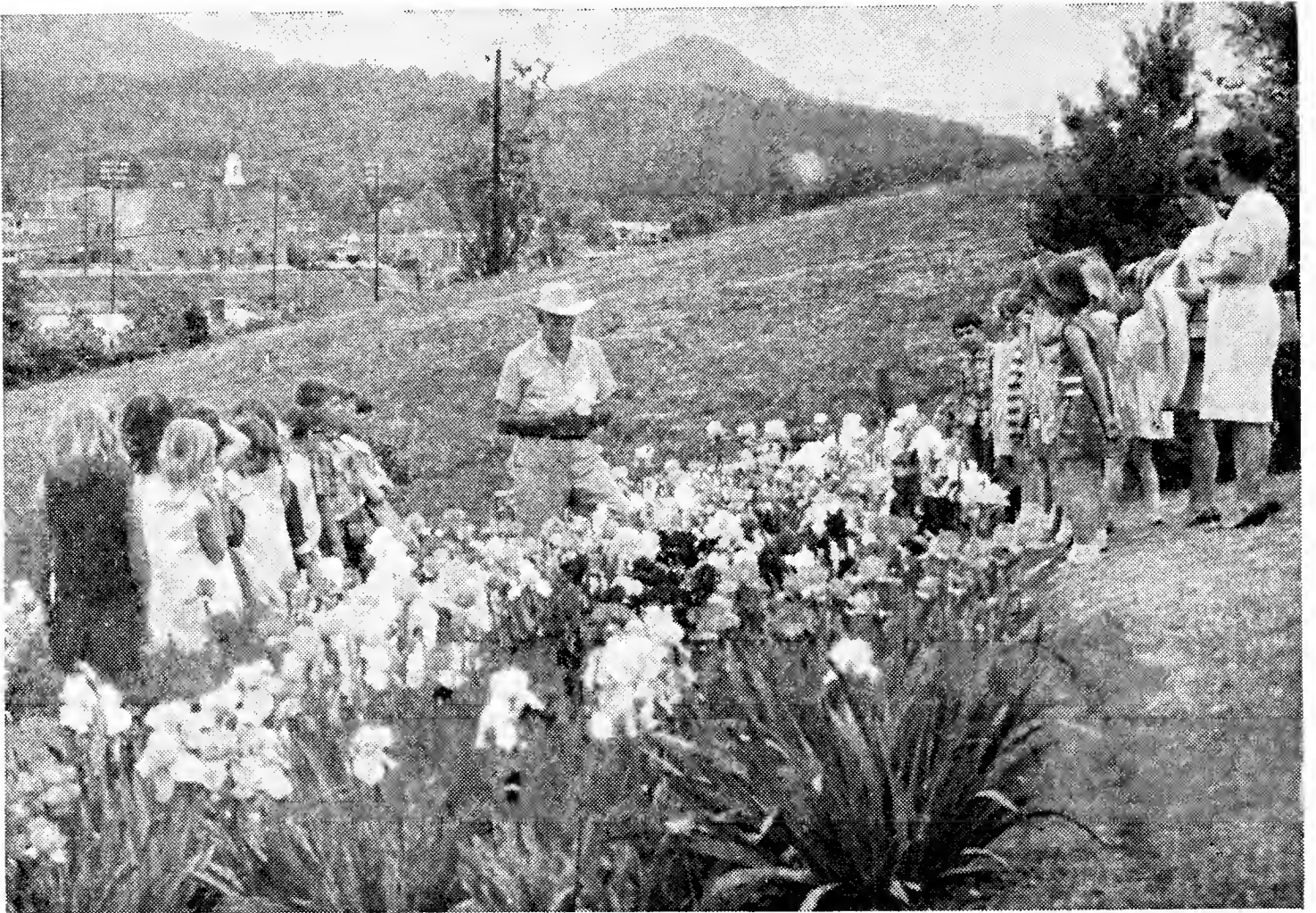
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CHILDREN AND IRISES

F. C. STEPHENSON



Third Grade Class of Roanoke Cave Spring Elementary School in Garden of Mr. Stephenson, who is explaining cross-pollination.

“Children and irises just don’t mix.” How often have we heard this statement! How wrong can one be?

One of the highlights of our iris season here in Roanoke, Virginia, is the annual visit of the children from the Cave Spring Elementary School. Each year the schedule of the science classes is adjusted so that the study of flower plants coincides with the blooming of the irises and visits are scheduled to our garden which is located within several blocks of the school.

While in the garden the boys and girls are shown the various means by which plants are propagated, using plants in the garden as examples. The fog-bed always causes quite a few questions to be asked.

An actual demonstration of hybridizing of the iris is given and usually one of the resulting seed-pods is planted for the benefit of the children who will be coming over in the future years who will be shown the results of the cross. In the seedling patch they are shown the parent blossoms and the results of the cross as they bloom.

It never ceases to amaze one as to the genuine interest shown and the intelligent questions asked. A very large number of the children come back and bring their parents. This has resulted in an increase in iris interest and an increase in the number of growers of irises.

The children making the visit are from the third and sixth grades and

an average of 130 children visit each year, coming in groups of 35 to 40. This project is in its fourth year and it is hard for people to realize that not one plant or blossom has ever been broken or damaged. In fact, no damage of any nature has ever been detected. The interest is so great and appreciation so high that they police each other.

At a time when we are plagued by juvenile delinquency and vandalism, it is fitting that each of us take advantage of each opportunity to help a child appreciate the nicer things in life; to divert his interest to that which is creative. No finer way can be found than through interest in the flower. Let's look around us; let's seek opportunities such as this. Do you have a school close by? Talk with the principal or science teacher. Do you have a neighborhood recreation or crafts program? See if you can find interest. If none of these are available, then enlist the neighborhood children in an iris project. It will pay big dividends, not only in personal satisfaction, but it may be just the spark that is needed to start a child toward a more useful pursuit.

The 1968 Bloom Season

HOOGER NICHOLS

The 1968 season was one well worth noting. Though the stalks on most of our irises weren't as tall as they should have been, they still were superb. Our season in Northwest Oklahoma started about the middle of April with the dwarfs.

Of all the dwarfs I saw, I think the most outstanding one was VELVET TOUCH. It is a very deep purple. ROYAL CONTRAST is another deep purple with a charming white beard. PROMISE is a very good violet-red self with an orange beard. ELFIN ROYALE and ELFIN ERIN, sibs, were outstanding. ELFIN ROYALE is very attractive with standards of deep violet and falls of velvety red, with a blue beard. ELFIN ERIN is an interesting color, with olive-green standards flushed brown, falls the same, and an orange beard.

The TBs started blooming April 23 and continued through June 5 in our area. WINTER OLYMPICS was the outstanding white in almost everyone's garden. It won Queen of Show for me. PATRICIA CRAIG probably is Craig's most outstanding white thus far. Wouldn't a cross of PATRICIA CRAIG X WINTER OLYMPICS be interesting? I made it and have some real nice pods.

This was the first year I had seen HENRY SHAW and it is an outstanding ruffled white. CELESTIAL SNOW was bigger and better than it ever had been before. It is a wonderful white with ruffles and branching. FLUTED HAVEN was an eye-catcher this year. No wonder it was runner-up for the Dykes a few times. CHRISTMAS TIME had more of a tangerine beard than red. FRIENDSHIP is a cool white with wonderful branching. FIRST SNOW-FALL has very good form and branching. This one is also a rebloomer. POET'S DREAM, the mother of WINTER OLYMPICS, was on a fine stalk. I can see where WINTER OLYMPICS gets its fine form.

The blues were outstanding this year. The one I liked best is CATALINA. It is a marine blue, with fine branching and substance. POLKA LACE is a blue-violet with lots of lace and fine form. SKYWATCH is a sensational



Washington, Mo., Junior Winners

lavender-blue self, and was much prettier than its picture in the Bulletin. RIPPLING WATERS is a very nice orchid with a little lace. It had wonderful branching. ELEANOR'S PRIDE was the best that it ever has been here. It is a nice blue and the father of WINTER OLYMPICS. SALEM is a cool blue with nice branching. WENATCHEE SKIES is a light blue with fair branching. CROSS COUNTRY, a light blue, is beautiful, with wide hafts and beautiful branching.

The yellows were nice this year, although I didn't see many of them. DENVER MINT was the outstanding yellow, and has wonderful branching. ULTRAPOISE, a deep yellow with a tangerine-orange beard, was fine. AR-PEGGIO is the only one of Tompkins' yellows that I like. It is a true yellow self with self beard. FOREST MOON is a deep yellow with almost perfect branching. It can take rain, wind and hail. CORABAND and MAY MELODY look like each other and were very fine this year.

CAPTAIN GALLANT was as always the most dependable red I have. JEWEL TONE was the most outstanding red I saw in Oklahoma City. CAROLINA RUBY was nice, but it had some haft marks.

NEW FRONTIER is a light pink with lots of lace and nice branching. BLUSHING BEAUTY is nice, with standards and falls of light pink and hafts of rich deep pink. The old PINK ENCHANTMENT was as always dependable. It is a true pink.

GINGERSNAP is a good brown with wonderful branching. GINGERBREAD CASTLE is a dark brown with good branching. This one should be in everyone's garden.

ORANGE PARADE probably is the best orange, with better branching than the others. CELESTIAL GLORY always is dependable and has a red beard. CHINESE CORAL is a pink-orange self and produces show stalks.

STEPPING OUT is the outstanding plicata in my garden. Everyone is talking about it. Mine had over twelve flowers and was beautifully branched. GRAND SPECTATOR was very good, with cream standards washed gold, and falls of white with a wide border of cinnamon-purple across the haft. CAYENNE CAPERS is a dark brown plicata with good branching. WILD GINGER is a very good light brown plicata.

The amoenas were superb this year. PEBBLES is a reverse WHOLE CLOTH with good branching. BRIGHT AND BOLD has butterscotch standards; falls are red-violet with butterscotch hafts. GYPSY LULLABY is just like BRIGHT AND BOLD, but without the butterscotch hafts. CLOUD CAPERS was fine, with white standards and orchid-lavender falls. UPPER GLOW is a deeper CLOUD CAPERS. BRIGHT CLOUD is an improved WHOLE CLOTH. SMOKY MOUNTAIN is an approach to a green amoena.

The most outstanding garden this year was the garden of Leah and Jean Ralls. All of their irises were clean and blooming their heads off. The Ralls truly have a wonderful garden.



Mr. and Mrs. Weldon Ballard in their Chesapeake, Va., Garden.

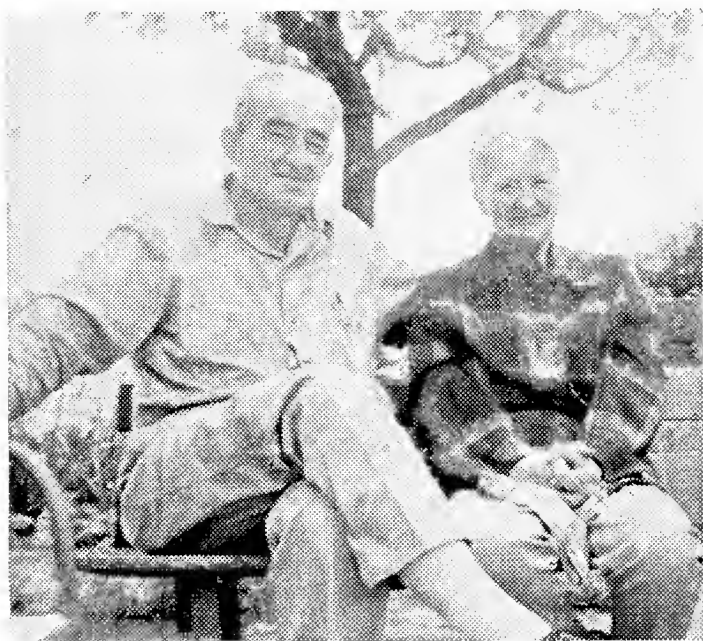
MILWAUKEE IN 1969

PROFILES

Mr. and Mrs. Z. G. Benson

MRS. GUY ROGERS

Gentle, soft spoken, ever smiling "Ben" Benson has long been a top gardener in Wichita Falls. He loves to grow things, and carefully tends his plantings. His early efforts were confined to growing annuals from seeds.



When a few rhizomes were added to the plantings, the entire growing plan was reversed; there being fewer flowering annuals and many irises. The small back yard gave way to three acres enclosed by a cyclone fence. Scattered throughout this large garden are pecan, mesquite and mimosa trees. There is also a sizeable rock collection which Ben and Mrs. Benson have accumulated from forty-two states and Canada in traveling to American Iris Society conventions.

In the Bensons' beautifully manicured garden grow many varieties of irises, tall bearded, dwarfs, border, etc. He hybridizes extensively, and among his better known introductions are BLUE MESA, COLLEGE GIRL, MAIN ATTRACTION, WILD MUSTANG, DRIFTING SANDS, and SUMMER DAWN.

Always at his side is his friendly, competent helpmate, Mrs. Benson. These two plan, plant, cultivate, hybridize, and keep records as a team. They are interested members of the American Iris Society and the American Hemerocallis Society. They are among the most competent judges of both irises and hemerocallis. Their interest in the Robins is intense. Mr. Benson has served his home region 17 in many capacities.

Predominant in the Benson planting are irises, but for the last few years, the day lily has taken an important place with thousands of seedlings blooming each season. So conscientious are the Bensons that when offering a variety of day lillies for introduction, only two have been introduced, LITTLE PAPOOSE, and SNOWBALL.

On May 13, 1968, Mr. Benson suffered a coronary infarction. Mrs. Benson carried on the hybridizing during the 90 days of his convalescence. He is now back among his flowers. Progress, in the form of a Freeway thoroughfare, is to run down the middle of the Benson garden. They will acquire a new house on smaller acreage and have plants reduced in number but uniformly better in quality.

Mrs. Douglas Pattison

HUBERT FISCHER

On a quiet tree-shaded street stood a lovely white house comparable to others in the neighborhood. However, one noted that it was exceptionally well landscaped, and as one went to the rear it became evident that this garden was different. In a sun-protected corner off the rear entrance was a space containing azaleas, rhododendron, ferns and rare shade-loving plants. Beyond this intimate corner the walk led to a large oval pool in which were water lilies and other aquatic plants. Flanking the pool were many beauty bushes (*kolkwitzia*), lilacs, rare shrubs and evergreens. Around the edges were growing many Siberian irises, one of which still is vivid in my mind, a clump of DRAGON FLY, growing shoulder high.

Beyond a rose-covered archway was the open iris display garden, containing peonies, delphinium, pyrethrum and other companion plants. Here were growing the newest and best, carefully selected irises, growing in a lovely setting under ideal conditions against a backdrop of a white lattice fence. This was the garden of Mr. and Mrs. Douglas Pattison, and it was indeed a Quality Garden.

As is so often the case, a hobby grows into a business; and so it was that QUALITY GARDENS came into being. The first catalogues offered irises, delphinium and pyrethrum. Later hemerocallis were added to the listings. The following is quoted from the foreword of one of the early catalogues: "Our aim as iris dealers is to offer for sale the most beautiful and best irises that can be obtained from all over the world, and so we are going to offer the most beautiful irises without reference to which country or by whom they were originated. The great difficulty which confronts iris growers at the present time (1925) is the enormous number of new introductions which like an ever-mounting flood threatens to engulf us. We think that it is the dealer's duty to sift out this increasing flood of new introductions and offer what he believes to be the best. Our endeavor is and will be to make the word Quality as used in our title stand for something and not a mere name."

Beyond the display gardens were the propagating beds where blocks of newly imported plants were grown under the three-year quarantine necessary at that time. The catalogues were anxiously awaited each year, and were the first to contain full-page color plates of individual varieties, as DEPUTE NOMBLOT, INDIANA CHIEF, PLUIE D'OR, WILLIAM R. DYKES, PINK SATIN, and many others. In the listing of "Class A" irises which were offered as the finest available, regardless of cost, were varieties such as CATERINA, 50¢; LORD OF JUNE, 90¢; LENT A. WILLIAMSON, \$1.00; up to those priced beyond the reach of the most wild-eyed fans. LEONATO was \$20.00, APHRODITE \$25.00, GERMAINE PERTHUIS \$30.00, WILLIAM MOHR \$40.00, MAJESTIC \$45.00, PEERLESS \$60.00, and CLAUDE AUREAU \$75.00.

Freeport soon became the mecca of iris growers, and attracted visitors from all over the country. There one would meet many important iris personalities, and judges with pencil and pad were comparing notes and rating the new introductions.

It was one of those rare days in June when we visited Mrs. Pattison to see the late-blooming irises and the peonies were already in bloom. The garden was quiet, lovely and fragrant. There were no other visitors present, and in the course of the conversation I well remember a statement she made that she probably enjoyed her garden most at peony time, as it was not necessary to think of the peonies in a commercial way, as was the case with the irises, where the ever-present problem was whether the new importations would be hardy, whether they would increase properly, and whether they would sell. She advised never to become involved in a commercial way, as much of the real pleasure of the garden was then lost.

The shows held in Freeport brought visitors from far distances. The non-competitive displays contained all of the new and rare varieties, often a dozen or more stalks in a single vase. It was there that the Sass brothers brought their new seedlings and introductions, and it was there that we met our first AIS president, Dr. John Wister. It was at Freeport that we attended our first convention, with Mrs. Peckham as principal speaker.

It was Mrs. Pattison and her Quality Gardens that sparked the intense interest that made Chicagoland one of the principal iris centers of the country and the world. She left Freeport more than twenty years ago, but in her letters she often stated how much she missed her Illinois garden and friends. She was a severe critic, a keen judge and a good friend.

DR. JOHN C. WISTER and the AMERICAN IRIS SOCIETY

BARBARA WALTHER

Although I did not attend the first meeting of the AIS, I later became a very close friend of John C. Wister, who told me of the beginnings of this Society. To me it shows what one person can accomplish. He is so modest that should he be looking over my shoulder now, he would protest, "Don't say that."

Dr. Wister is a foremost horticulturist, and a graduate landscape architect. He is still active; he lectures extensively, writes books, and is given innumerable awards. Not the least of his accomplishments was the monumental contribution he made toward the Presby Memorial Gardens. He gave unlimited time in landscaping the grounds, showed us how to plant and care for the irises, and painstakingly assembled and donated almost the entire historical section, which is one of the wonders of the iris world today.

Among his early interests were the American peony and rose societies. Before World War I these groups registered new hybrids, and if one went to a nursery with a specific need, the registered name was a guarantee. On the other hand, there had never been any such society for irises. Therefore, if one wanted a MADAME CHEREAU, he might get one clone from one firm and quite a different plant elsewhere.

In May of 1919 young Wister was mustered out of the U.S. Army while in France. With irises uppermost in mind, he wrote his family that he

would remain in Europe for a month. He then visited Ferdinand Denis and Rene Cayeux in France; and in England Sir Arthur Hort, Sir Michael Foster, A. J. Bliss, Barr and Sons, and the renowned W. R. Dykes. With the guidance of these authorities, Dr. Wister classified as many irises as he could, and brought the written descriptions of hundreds of varieties back to America.

To do anything with this data, one had to have an organization of national scope with definite rules for registration. Up to that time, there were not even any local iris societies that I am aware of. But many growers were active. At the turn of the century Bertrand Farr in Philadelphia was regarded as America's first iris hybridizer. He and many others were hybridizing and growing irises: Robert and Grace Sturtevant in Massachusetts; the Mohrs in California; Dr. Saunders in New York; C. P. Connell in Tennessee; Dr. Robert Scott in Kentucky; E. B. Williamson in Indiana; Mrs. Douglas Pattison in Illinois; Frank Presby in New Jersey; and many others.

In spite of the fact that all over there were people who were very active, they had no organization to turn to. Dr. Wister asked his friend Dr. H. A. Gleason, curator of the New York Botanical Garden, what he thought about forming a society and the answer was, "Why, of course, we ought to have one. Get Frank H. Presby interested. He is an organizer."

John Wister lost no time, and the AIS seed was planted at his meeting with Mr. Presby over lunch at the old Robert Treat Hotel in Newark. Frank Presby said that by all means they should go ahead, so these three men started our Society.

I don't know whether they want this publicized, but I have used their method on other occasions to form organizations, and I think it is a very good way. First, you begin at the top and work down. They knew they could bring together widely separated people to decide to have a society, but it would be hard to get them to stay together as a unified group unless things were set in motion the very first day. Therefore, they planned to do it all in a gigantic one-day session. In advance, Dr. Wister drew up a proposed constitution, and the three men arrived at a tentative list of officers to nominate.

Dr. Wister wanted Dr. Gleason to be president, but the latter preferred to be a director, since his burden at the New York Botanical Garden was considerable. They decided to put up Dr. Wister's name for president. He wanted R. S. Sturtevant for secretary; William A. Peterson was to be vice-president, and Frank Presby, who was then in charge of trusts and financial matters, was a logical choice for treasurer.

To publicize the coming event, Wister, Sturtevant and others wrote articles in the flower magazines of that time. Eventually, they could give the date, January 29, 1920, and the place, the New York Botanical Garden. By invitation important people from all over the states came. It was a turnout many times more than they had dreamed possible—seventy enthusiastic people.

Dr. Wister, now living in Swarthmore, Pa., assembled an interesting scrapbook of the beginnings of AIS, which I used at one time. How fascinating it was.

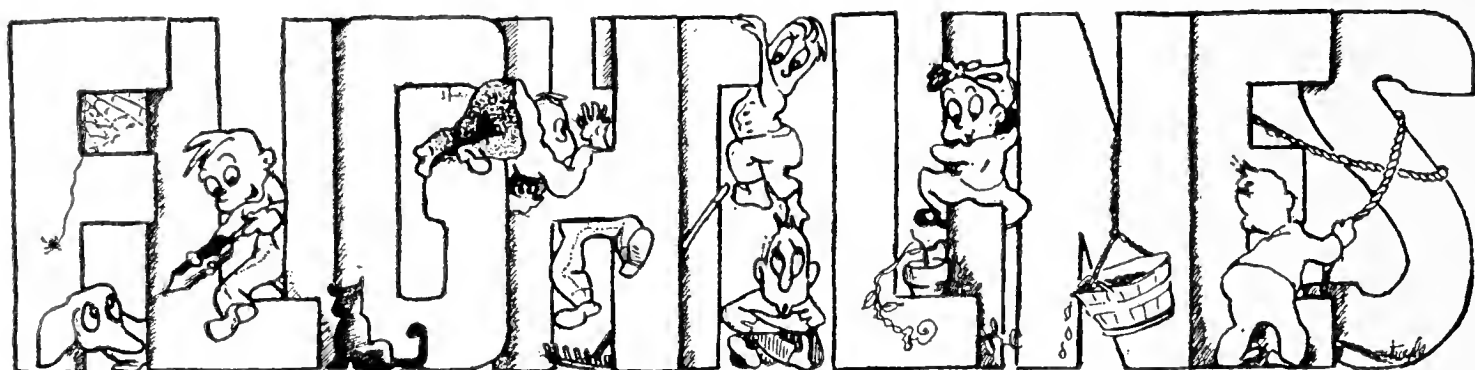
With no delay they passed the resolution to form the American Iris So-

ciety. Next Dr. Wister read his proposed constitution, and suggested they hash it over for a couple of hours. While the constitution committee consulted, others laid various plans.

The organizational meeting included a lunch which the New York Botanical Garden supplied. The building of that first meeting is still there, and will be visited by convention goers at the 50th AIS anniversary convention in 1970.

By afternoon they had passed the constitution and elected the officers named above. Before departing, they were of a firm conviction that they wanted to get started with iris registration. Mrs. Ethel Anson Peckham of the New York Botanical staff was placed in charge.

As we look back, the speed of accomplishment was indeed remarkable. In 1922 they had their first Alphabetical Iris Check List, printed in Bulletin #4 and collating data on about 900 varieties which Dr. Wister had cataloged. Mrs. Peckham's later monumental book versions of 1929 and 1939 brought the grand total of described varieties to 19,000. Things have kept on ever since to make AIS a most successful society.



PEGGY BURKE GREY

THE ROBIN PROGRAM'S NEW LOOK

The old Robin Program takes on a new look as it moves into its teens this fall. Its chairman replaces its national robin director and a full working committee replaces the old administrative-advisory council. Members of the Robin Program Committee are Barbara Serdynski, former chairman of the Irises in General Robin division and retiring RVP of Region 15; Lillian Terrell, former chairman of our General Hybridizing division; Carol Ramsey, chairman of the Irises in General division and member of the AIS Judges Training Committee; Roberta Torrey, who comes to this committee assignment from her job as Regional Robin Representative of Region 18 and Robin Editor of their Bulletin; and John Bartholomew, former National Robin Director, past chairman of the Robin Committee and the man who designed the whole program.

At present there will be no essential operational changes in the various robin divisions. There is a change in procedure to join a robin. All applications for membership in any robin in any division now are sent straight to the Robin Program Chairman: Peggy Burke Grey, 8191 Franz Valley Rd., Calistoga, Calif. 94515.

Some Changes in the Roster

Marjorie Lane has retired as chairman for Iris Photography Robins after

many years of devoted service with a very difficult group of robins. And Margie Uhrig is retiring as a co-chairman of Tall Bearded division robins after an equally long term in a tough job. We send along our thanks and appreciation to both of them.

In the Historical Irises division, Gerta Beach has turned over the chairman's job to Harriet Segessemann, but remains as an active director of one of the division's very important research robins.

Charlotte Gantz actually retired some time ago as director for the Median Irises international robins and we are loathe to see her depart, but look forward to reading her very fine articles from time to time. Lucy Delaney of New Zealand takes her place. Rena Kizziar also has taken a temporary vacation from her Median division robin reporting chores to return to school. We wish her well and look forward to her return. As yet her successor has not been announced.

Some New Robins Opened

Calling all iris buffs interested in knowing more about the aril and arilbred irises! And the Louisiana irises! New robins devoted to each of those types are now open for members. Lee Kohler in Corvallis, Oregon, will direct the one on arilbreds; the Louisiana robin doesn't have its director named yet at deadline time, but it will be flying well when you read this. And good news for collectors of iris antiques and artifacts, and those interested in craftwork with iris motifs: Aleta Eggle, whose delightful article on collecting appeared in the July *Bulletin*, is directing for us now and everyone interested is urged to join the robin fun. Remember, all the applications come to the RP chairman, address above.

We are also starting a new group of International robins and we especially need people in the United States and Canada to participate and bring people overseas up to date on American irises, cultural techniques and hybridizing. If you'd like to find iris friends around the world, join an international robin. With world travel bringing all countries within a few hours visiting distance, international robins provide wonderful new friends in many countries, just as our domestic robins provide them throughout the 48 mainland states.

Some New Historical Publications

The Historical Irises division has two types of robins. One is devoted to seeking old-old varieties of irises, growing and testing them to see whether they're true to name, if possible, and swapping them so that there are many representative collections saving the historic items for posterity. The other group does a monumental job of researching the iris literature to record published material on iris breeders of historical prominence, which then is condensed and published under the editorship of Harriet Segessemann. A list of some 13 titles is available. They are duplicated by the Median Iris Society (which means Bee Warburton!). They can't be sold because of the unlikely remote possibility of infringing on somebody's copyright by the nature of the research, but if you want copies for your library and will make a small donation to cover the duplicating and materials costs, something like a dollar a copy, ask Harriet for the list of available issues of *The Iris Chronicles*. Her address: Mrs. Ernest Segessemann, 380 Crescent Drive, Franklin Lakes, New Jersey 07417.

Young Irisarians

The younger generation of irisarians has a wonderful opportunity to prepare for their role as future judges. Iris Smith is devoting one of the Teens and Twenties division robins to a study of the AIS Judges Handbook and some of the training materials used by the Judges Training Program. Presently the group is comprised mainly of boys in their late teens, but Iris welcomes all teens and twenties to the study group. You girls going to let the gentlemen become better judges? Let's have your applications! Or join one of the just-for-fun robins which talks about irises, shows or what-have-you.

A New Miscellaneous Division

We've had numerous requests for an iris arranger's robin, but not enough requests to make up a full route list. If you would like to participate in such a robin, let us know. We have a marvelous director for it, one who can teach the art of preserving flowers for dried arrangements and many another technique for prize winning iris arrangements.

If there's any other topic related to irises that you feel deserves a robin, please let us know. We are willing to try to get interesting groups going in the arts and crafts fields, or just plain friendship robins, as well as concentrating on the more serious and limited discussion groups which have their own divisional status. There's lots of talent in the robin program, lots more needed. So let us hear what you'd like, or if you would like to volunteer to help the program.

A Tall Texas Tale?

A Texas-bred iris named BUTTERFLY BABY, produced by Mary Herd of Jacksboro, left home as a perfectly normal TB iris for commercial trial in Chet Tompkins' Oregon garden. According to Mary, Chet advised her that he was finding the rhizomes growing as "large as buckets." From Lubbock, Texas, Loydell Knight reported, "BUTTERFLY BABY sure doesn't look like a baby, babe or anything related. It is *big* and the foliage is whorled and beautiful. You might call it the *Green Giant* but nothing babyish!"

Edythe Burroughs, in Brownwood, Texas, reported, "BUTTERFLY BABY is a honey. The largest rhizomes I've ever seen. It produced six new fans in the first season. I think it is going to be the most prolific iris I have ever grown." And from Quinlan, Texas, Eunice Smith wrote, "It didn't bloom in the spring due to the freeze, but it is a lovely clump, has six healthy fans, and a check of foliage shows just a hint of spiral form on two fans, not enough to take away from the looks. I think it rather adds to the attraction."

Mary shakes her head and remarks, "I feel as if I may have turned a freak loose and some day it may turn and devour me, a sort of Frankenstein of the iris world! I do not understand why it grows to such enormous proportions in some localities nor why it has the whorled foliage in some places. This oddball behavior interests me more than anything else about it because it has only a hint of a swirl on some leaves and only ordinary sized rhizomes in my garden, where I grew it for seven years before I registered it."

So far there hasn't been any bloom reports to indicate whether it has an equally whopping flower to match those Texas sized rhizomes.

Border Irises

Far from what might be termed normal Texas sized, or even from normal TB sized, is a beautiful little border iris bred by Z. G. "Ben" Benson at Wichita Falls, named LITTLE DUDE. It's a lovely light blue which has been tested and performed across the country like a perfect BB iris should behave. Probably the largest single problem with this group of irises is that those who breed them, or find what they *think* are irises which fit the class in their own home gardens, so often turn out to be monsters way beyond the proportions for the class when they go to another area for trial. May-Belle Wright, chairman of the robins devoted to studying and development of this class, writes: "I came home from a two-week tour of the west coast, including the national convention at Berkeley, with mixed emotions. I was elated over the fine time we had, the gorgeous irises which were at peak bloom in almost every garden, the western hospitality and all of the old friendships renewed and new ones made. But I was dismayed by the displays of guest border bearded irises. I knew we had a long way to go before the borders would form a distinctive class of their own, worthy of a separate classification, but I didn't realize how far we are from that goal. The interest in this class is high but it will be difficult to sustain this interest unless we can make the class worthy of it. Let me hasten to add that I know only too well that odd things happen, growthwise, in some areas of California. I sent three different guest borders to the convention. Two held their good proportions in all gardens, although they grew somewhat larger at Melrose Gardens. The third, which at home in Minnesota is 19" and petite in all its parts, was 28" there, with small flowers and foliage; but the stalk was as big as my thumb. I don't think we should condemn the large percentage of border irises that had overlarge foliage and flowers. I do think that it points up the necessity of guesting BBs in various climates before introduction.

"I'm convinced that large stalk and foliage are worse problems in breeding BBs than large flowers. I think we must carefully select our parent stock with not only small flowers but slender stalks and, above all, small foliage.

"On the plus side I saw several very promising BBs. We started our tour at Perris, Calif., below Los Angeles where Bernard Hamner had a very good looking BB from DOT AND DASH X ROCOCO, which is a miniature of STEPPING OUT, and has been registered as STEPCHILD. It has low *I. aphylla* type branching. There were numerous seedlings at the Region 15 meeting at Bakersfield, and some named varieties, including HOB NOB, from Frank Hutchings, LITTLE DUDE by Z. G. Benson, BUG'S EAR by Jim Gibson. Named varieties seen at the convention in Berkeley included Alta Brown's BROWN RINGS and BRIDE'S PEARLS, a real charmer, Mrs. Wolff's JUST PLAIN BILL and LITTLE MARK by Carl Quadros looked good, as did all of Bennett Jones'. I especially liked CRYSTAL BAY, CARNIVAL GLASS and his BOTANY BAY, a lovely little medium blue self; it was the star of the BB show for me.

"I'm sure there were a number of well-proportioned BBs that I failed to see. It is quite impossible to see everything at a national convention at peak bloom. The ones I *have* mentioned prove to me, again, that it is possible to produce good quality BBs with pleasing proportions that will be

welcome additions to the gardens of knowledgeable irisarians. I urge all of you who have BB seedlings to send them to Milwaukee and New York for the conventions and guest them in as many areas as possible, asking for frank reports on the size of the flower, stalk and foliage, as well as performance. This is the only way we can find out what they will do away from home. I'm sure the border bearded iris have a great future if we can all work together to breed varieties that differ from TBs in all their proportions."

Rena Kizzier in Norfolk, Va., describes some border irises that she found interesting: "BOTANY BAY (B. Jones), brilliant, flaring blue; BAYADERE (O. Brown), one of the really good browns, with excellent form, substance, color and lace; FAIRY JEWELS (Hamblen), beautiful white edged with gold, gold beard and haft; FOREVER AMBER (Hall-Roberts), unusual shade of rosy amber, red beard, one you either like or don't like; TOY SHOP (Fay), stunning laced white, trace of green, gorgeous red beard, three increases so not as slow growth as is generally believed, one of the last to bloom."

Some New Little Irises

Elsie Zuercher describes a couple of newer SDB irises. "I especially liked PASTEL DAWN this year. The pink reflection from the beard was strong and the overall effect of this pinkish glow, the creamy base color and the delicate green spot was beautiful. The new SDB Earl Roberts has named DOVE WINGS is an unusual blend of dove gray, lavender-blue and pink."

Dorothy Dennis reported, "Those which attracted me in Melba Hamblen's garden were Hager's REGARDS—there was only one bloom out but its unusual color was interesting, and it looked tough and sturdy with much substance. Greenlee's GLIMMER is a beautiful thing, hard to describe, pale tan with green and light blue with a blue beard. Plough's CUB SCOUT is a BB of yellow and brown with fine, flaring form; Quadros' LITTLE MARK was special, clean white with red-purple markings, in excellent proportion."

The reports from Bob Schreiner are always particularly fascinating because they provide a peek behind the scenes at a master plant breeder at work to create the tall bearded iris color patterns of tomorrow and the day after tomorrow. "I have followed with interest the inheritance of the pumila spot in median breeding, partly because there are no ifs, ands or buts; if a hybrid has a spot pattern it must have come from the pumila side of the family. I am quite pleased with my V-32, another generation removed from CUTIE and DRUMMER BOY, for two reasons: It is far bluer than most irises and it blooms just about tall bearded time, and is not much more than 20 to 22 inches tall. Not quite the miniature blooming at tall bearded time, but the closest I have that amounts to anything attractive. The pattern is quite interesting and is just slightly suggestive of a Japanese iris in the aspect of venation. Another seedling that I think you would like is a sort of brown intermediate sized iris, 24 inches tall, intermediate season, only this brown flower has the richest, almost red, but in reality brown-red, polished spot on the fall. So I think that the 1967 achievements have been quite satisfactory in that these two selections have panned out okay."

If you're a novice hybridizer looking for new worlds to conquer, there are achievements galore yet to be made in the relatively new field of median irises. Median Iris Society President Harry Kuesel has some wise advice. "On hybridizing for a beginner, my only suggestion is to limit yourself to a relatively few crosses and repeat these several times. This will give you a

larger number of seedlings from a cross to pick a good one for further work."

Harry also reports on some of the reblooming irises from "Doc Percy" Brown, who has worked for many, many years exclusively with this group of irises for cold climate rebloom. "I had some fine rebloom here on Long Island on my G. P. Brown irises. He's improving every year and SUMMER BUTTERFLY, which has been blooming here for a month in autumn could win even with spring show competition. It is five-way branched, and has fine, clean, ruffled plicata flowers. SUMMER PALEFACE is a fine RAINBOW ROOM type, and SUMMER WHITEWINGS is a grand white."

Some New Spurias

Bernard Hamner in Perris, Calif., notes that besides growing approximately 500 varieties of tall bearded irises he and Celeste also grow about 50 spuria varieties. "Most of these are Walker Ferguson introductions. Mr. Ferguson is one of the leading spuria hybridizers, lives just 50 miles south of Perris, so we feel very fortunate that we can visit his garden each year. Several favorites I will mention are DARK AND HANDSOME, a very smooth fine dark brown; BARITONE, also brown and more golden, especially in the front center fall, and a prolific grower; DAWN CANDLE, a creamy yellow ruffled beauty. YELLOW WINGS is a very clear intense yellow self with heavy ruffling. Then he has a nice red called FIREPLACE. The color of this one is different, but the falls are quite narrow. All the others mentioned have very broad falls. The spuria irises should be grown in more gardens as they extend the bloom season at least two weeks. We wouldn't be without them as they give us so much pleasure."

Some Texas Performance Reports

Back to the Bluebonnet State for some iris performance reports. This one is noteworthy from Jack Kendrix in Fort Worth. "It is interesting to note again that the best performance in my garden, and almost everywhere else in this climate, is put on by SNOW FLURRY derivatives. Recently as a prelude to a breeding program for more vigor, substance and so forth, I selected ten of the best growing varieties in my garden and, surprisingly, 8 of them had SNOW FLURRY in the parentage."

If you're on the search for some good standard varieties of reds which will perform well in Texas, listen in on this from Mary Herd: HIGH BARBAREE has been the best bloomer of the reds for me. CAPTAIN GALLANT was good but last spring no reds matched ADAM and RAGE. Of the older ones MOLTEN and MIOGEM were good enough, though not quite as red as some of the others." Edyth Brooks liked the performance of JUNGLE FIRES. Edythe Burroughs in Brownwood reported that TONALEA, RED SLIPPERS and ZOMBIE were three good reds for that area, while Loydell Knight in Lubbock cited TILLAMOOK as the best red there this year.

Edyth Burroughs notes that the interest there is growing in the Louisiana irises. "We put in a new bed of Louisiana irises. Our interest in them grows all the time. We do hope to attend the Society for Louisiana Irises convention in Lafayette." They've also just joined the new Reblooming Iris Society and the Spuria Iris Society. This seems like a notable way to increase one's iris interest, and the special plant societies and AIS Sections have magnificent publications, well worth the membership dues.

Seed Germination

If you're hybridizing or otherwise growing irises from seed, these reports from the international robins will be of interest. Ron Watkins in England says, "Most of my seeds grown in vermiculite germinate steadily from April to the next year. I plant out the first crop in late May and the second in August."

Syd Lawrence in Australia, "Although I am getting fairly good germination from a mixture of sand and loam, I am seriously thinking of going back to vermiculite. I find it much cleaner and the seedlings are so much more easily pricked out for transplanting."

Charlotte Gantz has been working with some difficult-to-germinate crosses. "I meant to plant the more difficult aril pods the moment they were harvested. This does not include SDB (lilliput) x C. G. White hybrids, which I think germinate satisfactorily most years with normal methods. I had decided, though, that (*I. attica* x *I. pseudo-pumila*) X pure onco, (LITTLE ROSY WINGS x IMAM AHMID) X pure onco, etc., should be planted at once and kept under lights during the winter if I got germination. If there is no germination one can always try something else. The next thing I intended to do was to get Fitz Randolph to show me how to nick the seeds before planting. Then I was going to follow Walter Welch's method of pouring boiling water on the seeds. Then cool, freezing them in the water and letting them stay in the freezer for a month, defrosting with boiling water and refreezing twice more during this period. (All this only if immediate planting failed.) The method I used this year wasn't good enough. I stored the seeds in the refrigerator, not in the freezer, for seven weeks, and it evidently wasn't long enough. Maybe I should have used the freezer. Following this I put them into warm water for a week; at times letting the tap run, at times just changing the water five or six times a day. Finally I planted the seeds in sterile spagnum moss and put them over heat (a heating cord from a garden supply house). About 6 of the 35 lots germinated, not too many seedlings. I did get some perfectly good ones from (lilliput x IMAM AHMID) X IMAM AHMID, so it proves one can get germination from that cross without using embryo culture."

New Japanese Varieties

Devotees of the breath-takingly lovely Japanese irises will want to take note of these performance reports. Ruby Cantrell in Missouri notes, DANSEUSE NOBLE was lovely, and THE GREAT MOGUL, GAY BUTTERFLY, IVORY MARBLE, SEA FURY and *I. kaempferi* were best here."

Eleanor Westmeyer: "IMMACULATE GLITTER (Payne), a dark red double with tiny white edging really stands out in the garden. POPULAR ACCLAIM (Payne) was the most striking two-toned, a near amoena, white falls and dark purple standards. LOVE GODDESS (Payne) has a greenish cast that makes it a honey. BLUE NOCTURNE thrills me with its rich deep blue every time. MISUKO GURMA bloomed for the first time for me and is now a favorite, a red and white blend that is hard to describe, different and lovely. KARAHASHI was a magnificent big red flower but every blossom was sunburned; it was hard to open up. I noted, too, that one of its offspring, LEAVE ME SIGHING (Maddocks) also tends to sunburn. I wonder if this weakness is hereditary."

If you're looking for the greatest way to prolong the iris season, look toward the summer flowering Japanese irises. Join a robin devoted to them and learn the secrets of their selection and culture. You'll fall in love with irises all over again if you've never tried this particular class.

SEE-FINE GARDEN MARKERS

TAGS hinged, rounded corners, of 26 gauge galvanized iron, 1 3/4" by 3 3/8". WIRES No. 8 galvanized, 1/6" diameter. "S" bend clings in ground, prevents turning.

COST per marker, FOB Lewiston				SHIPPING WEIGHT — Pounds			
Number	Length			No.	Length		
	13 in.	20 in.	26 in.		13 in.	20 in.	26 in.
1 to 24	12c	12½c	13c	25	4 lbs.	5 lbs.	6 lbs.
25 to 199	11c	11½c	12c	50	7 lbs.	9 lbs.	11 lbs.
200 to 499	10c	10½c	11c	75	10 lbs.	13 lbs.	16 lbs.
500 & over	9c	9½c	10c	100	13 lbs.	17 lbs.	21 lbs.

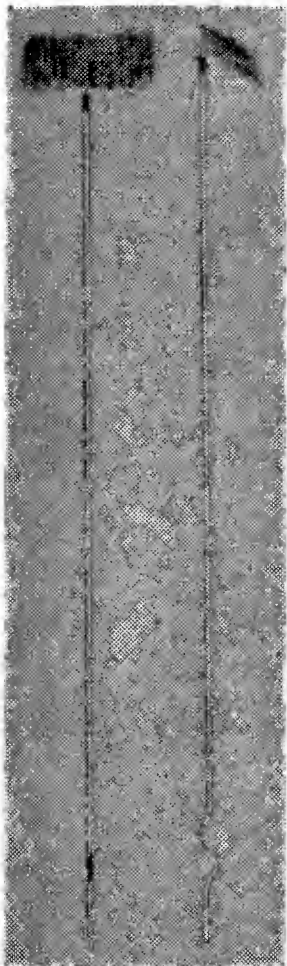
1-oz. SEE-FINE PEN, weatherproof, ball-point, lacquer, \$1.00

SHIPPING 40 lbs. or less usually best by Parcel Post. Check with Post Office and include Parcel Post charges with order. More than 40 lbs. usually best by Auto Freight, and can be sent collect for shipping charges if you wish.

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26" Marker



Gottardo garden at Berkeley convention

A Garden Restoration Problem

CAROL WELLS



If an Indian might have brought the root or bulb to the trading post along with his load of hides, I'll plant it. The house we live in was the home of the trading agent. Built of cypress posts, mud and Spanish moss in the mid-1770's, it is one of the oldest houses remaining in Louisiana. Since we bought it, we have spent five years attempting to furnish it appropriately inside and out. Inside, means finding locally-made cypress furniture. Outside, means planting the flowers familiar to Frenchmen two hundred years ago, or using plants native to this region.

A French book published in 1784 and found locally has helped. *Histoire des Plantes V'en'eneuses et Suspectes de la France* is useful since many garden plants, including irises, are or were thought to be poisonous.

Already growing in this garden were old fashioned bearded irises and *Iris unguicularia*. The latter is so commonly found in old gardens here that it may be an early importation. Surely a settler would wish its bright blossoms from December until March to remind him of his homeland gardens!

Among natives (brought by Indians!) are varicolored Louisiana irises; also *brevicaulis*; *cristata*; *verna*; *versicolor*, which will not flower (the Indian brought it from too far north!). On the theory that a settler had no time for coddling temperamental flowers, several species that were grown in France but proved difficult here have passed from the picture.

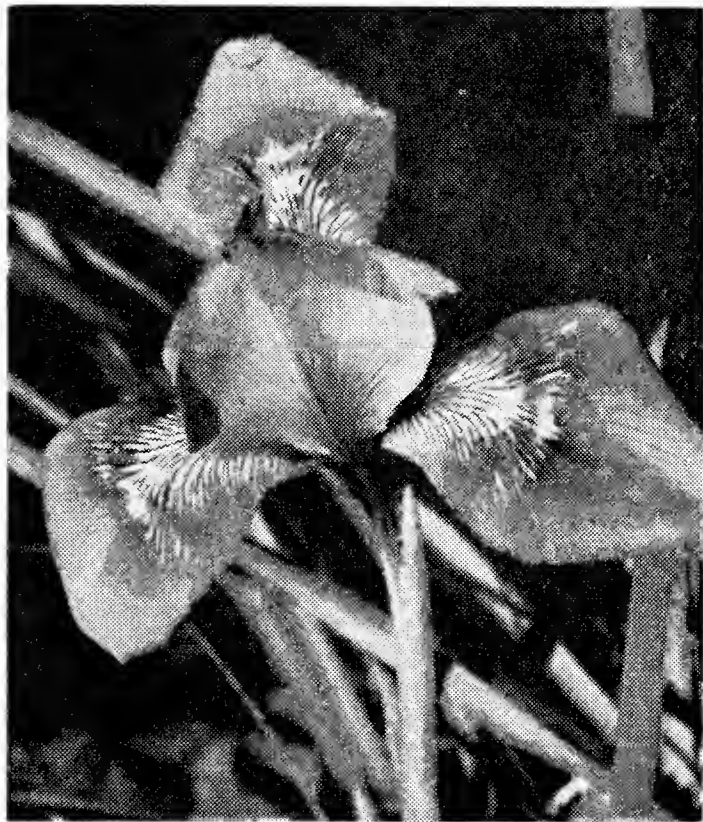
After five years of work, the garden is still in the beginning stages. This is because the yard is first explored for archeological findings to a depth of at least thirty inches. This time-consuming operation is a great setback to planting. Fragments found confirm and amplify household inventories

filed at the Court House. Thus we are able to say with certainty that iron forks with bone handles, pewter spoons, and Indian pottery modeled in European shapes were items of everyday use during the colonial period.

Just what were commonplace plantings beside the staple crops of indigo and tobacco is harder to determine. Eighteenth century travelers complained of the lack of interest in gardening in Louisiana, possibly comparing the long-settled East with an area just emerging from frontier. Living on islands in the alligator infested swamps, bartering for daily needs, hampered by difficult transportation, their yards probably a morass of mud, a pirogue more common than a cart, the settlers must have wished their days brightened by flowers. In 1787 William Bartram saw tuberoses in Baton Rouge "and many useful as well as curious exoticks." William—why didn't you list those other flowers?

I. UNGUICULARIS

JEAN WITT



I. unguicularis

The winter blooming Algerian Iris, *I. unguicularis*—more often but no longer correctly called *I. stylosa*—is a favorite with species growers on the West Coast. Though perhaps more commonly grown in California, it seems to do quite well in Seattle's winter-moisture, summer-drought climate. It has survived temperatures down to 6° above zero here, with snow cover; and some writers at least consider it "perfectly hardy" in England. This would seem to indicate that it could be tried in somewhat colder areas of the U. S., with the aid of a cold frame. We grow it against the concrete foundation on the south side of the house, the nearest to a sunbaked location that we have to offer. Frost

often kills some of the flowers, but others soon follow.

I. unguicularis is native from Algeria to the Black Sea, through Greece, Asia Minor, Syria, Crete, and the Greek Islands, and is like many plants with similar distribution, a lime lover. There are many geographical forms, two of which, *I. cretensis* and *I. lazica*, are sometimes given species status. G. P. Baker, in the RHS Journal LXIII for November 1938 tells an amusing anecdote about finding *I. cretensis* during a journey on the island of Crete in 1926. His mule scraped him out of the saddle on a low hanging tree limb; he fell into what he took to be grass, only to find it studded with small, sweet-smelling irises. This was in a forest at an elevation of 3,500 feet. Rodionenko, writing in the Florence Symposium, mentions that

I. lazica requires more moisture than the others. Perhaps hot dry conditions would not be so necessary for these varieties.

Many variations in color and size and form have been collected and grown in England over the years, and various writers suggest that an assortment of these will give a succession of bloom throughout the whole winter. How many of them have made their way to the U. S., I do not know. A friend here in Seattle has a clone which always begins to bloom in November, while mine consistently waits until February. One garden writer of former years speaks of being able to gather a bowl full of flowers for the Christmas dinner table.

'Bridal Pink', and 'Marbled', and white flowered varieties, as well as the usual lavender ones, used to be listed in catalogs, but seem to have disappeared from commerce, at least via mail order. In English garden publications one finds names such as 'Speciosa', 'Lilacina', 'Imperatrice Elizabetha', 'Marginata', 'Peacock' and 'Lake of Tiberias form'. 'Ellis's variety,' a very dark violet flowered variety, was collected by a Miss Ellis in the south of France, and received an A.M. in 1946. H. C. Fletcher describes several more forms in the BIS Yearbook for 1957; Charles Bedbrook tells about his hybridizing experiences with *I. unguicularis* in the 1962 BIS Yearbook. The two clones collected near Algiers and registered by E. B. Anderson in 1962 as MARY BARNARD and WALTER BUTT were imported from England by the University of Washington Arboretum a couple of years ago, but between the long journey and the fumigation they have been very slow getting started, and we still have not seen them bloom.

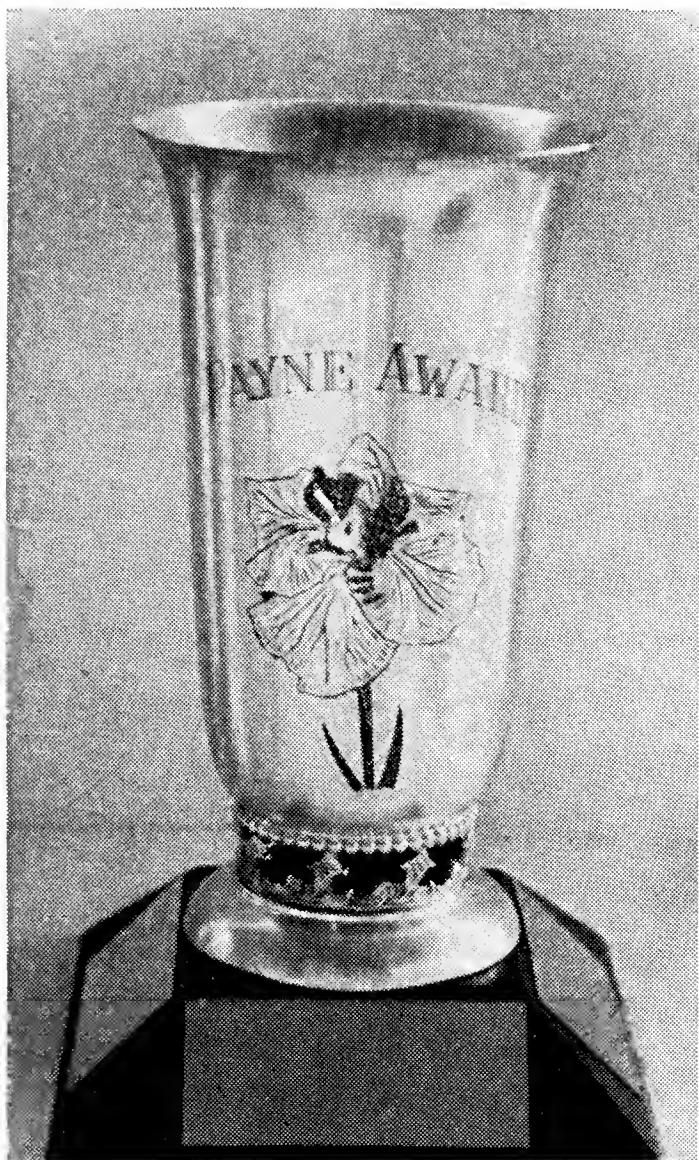
We purchased the two newly registered whites, "WINTER'S TREASURE" and "WINTER SNOWFLAKE," from Edith Cleaves, of San Jose, California, last April, and hope they will bloom this winter. (April, by the way, is the recommended time for moving *I. unguicularis*. At that time they are equipped with plenty of active white roots; if you dig and divide them in September, only the dead-looking, wire-like central portions of the roots remain, and the plant has a difficult time getting started until new roots form . . . this surely accounts for the year or more delay in flowering that is so often mentioned.)

In the form shown in the photograph, the flowers are a pleasing medium violet, with a trace of yellow, and a darker violet blotch. They open from fawn-colored buds, marked with dark red on the hafts. What appears to be the stem is really about 6 or 8 inches of perianth tube—the pods form down at the ground line. No pods have ever been set here, perhaps due to the absence of bees in February. The narrow foliage is tough and dark green. The clumps need dividing only very rarely; and though they become rather untidy, I prefer to leave the old leaves for winter protection instead of shearing them away as is sometimes recommended. Nothing bothers the leaves, but slugs will chew the flowers, so baiting is necessary as the buds begin to appear. The flowers are delightfully fragrant, particularly if picked in bud to open in a warm room.

MILWAUKEE IN 1969

The Payne Award for Kaempferi Irises

C. A. SWEARENGEN



The Society For Japanese Irises, recognizing that an award above that of Honorable Mention was needed, requested the AIS to establish such an award, to be called the Payne Award in honor of Mr. W. A. Payne, the oldest and most prolific hybridizer of kaempferi irises in the United States. They felt that this was appropriate, as his work with kaempferi irises had resulted in the winning of three medals, a gold, a silver and a bronze one, at the International Flower and Plant Show at Hamburg, and the AIS Hybridizers Medal at home. Along with this was a reputation of international renown. The AIS Board of Directors were in accord with this and established the award three years ago.

Mr. Payne, recognizing the signal honor so conveyed, decided that he would endow the award with a suitable cup. As his health did not permit an active participation, he commissioned me to look to the pro-

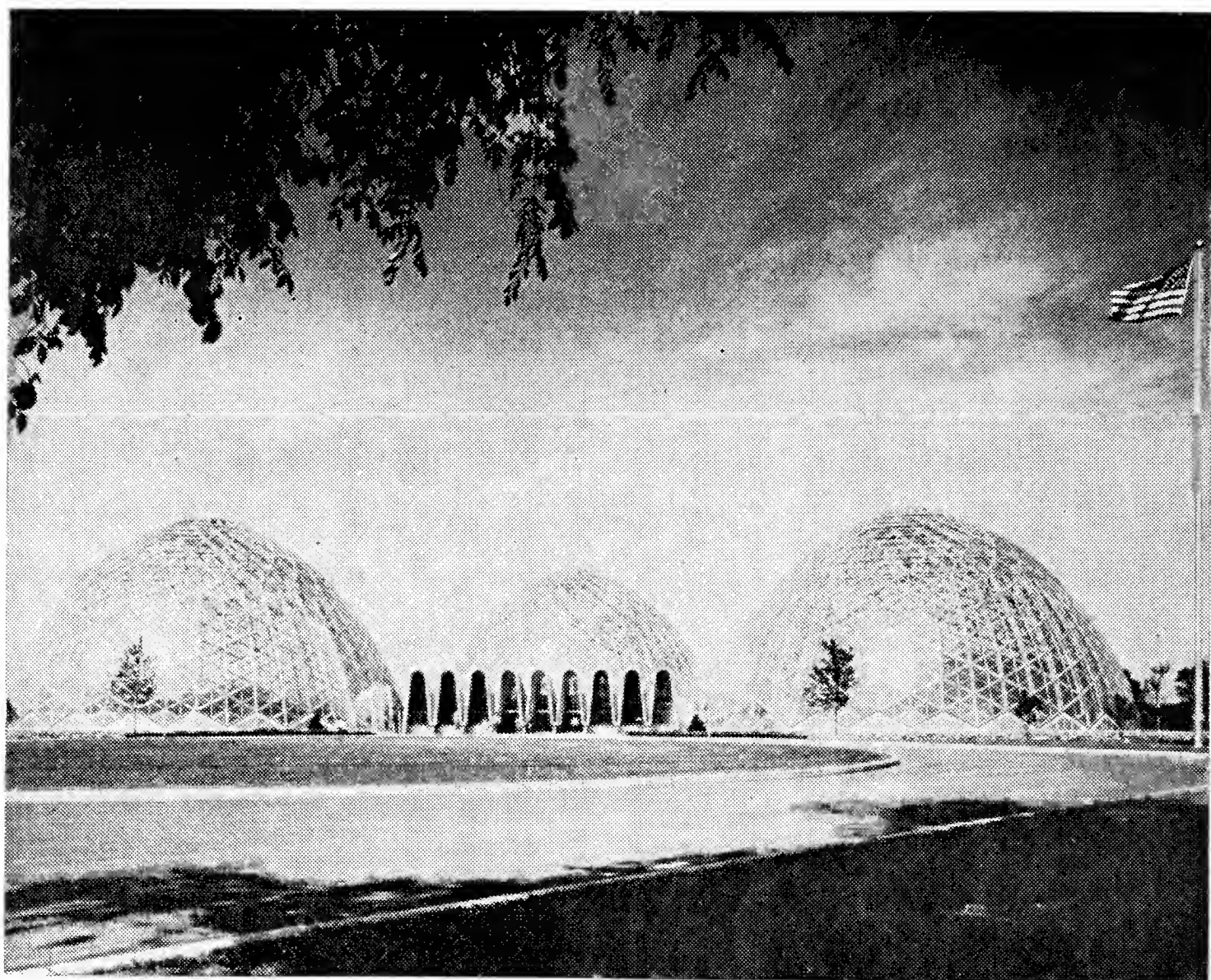
curement. After consulting Dr. J. Arthur Nelson and Mr. Hubert Fischer, it was decided that, as he was in contact with sources and willing to do so, Mr. Fischer would secure the cup and arrange for the decorative engraving. This was done and the result was more than satisfactory to all concerned.

The cup is actually a Prince Erk Vase of silver, ten and one-half inches tall and five and three-fourths inches across the top. It is mounted on a mahogany base that carries four silver escutcheon plates on which will be engraved the names of the successive winners. The cup is engraved with the likeness of a kaempferi iris.

This award has the same status as the Award of Merit and is awarded yearly to the hybridizer of the kaempferi iris which, having previously won HM, receives the largest number of votes cast by the AIS judges for this award. This is a rotational award and would look lovely on your mantel for a year. Grow a few.

We of the Society For Japanese Irises hereby thank the donor of this lovely cup and the AIS officials who assisted in its procurement.

NEW YORK IN 1970



HORTICULTURAL DOMES AT MILWAUKEE

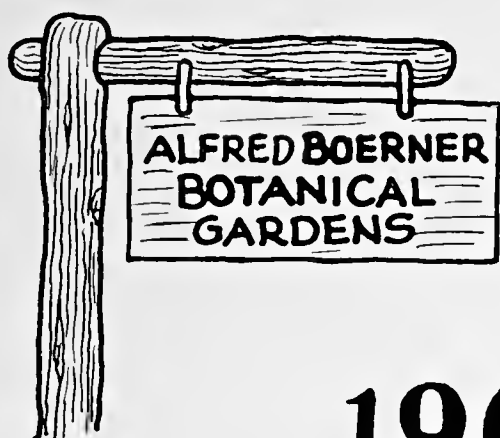
THE GREEN HILLS AND VALES
of
WISCONSIN

How apt and meaningful are the poetic lines, "What is so rare as a day in June . . ." when you are so fortunate to be in Wisconsin. From the beautiful park areas along the shores of Lake Michigan to the greenery of the hills, trees and grasses that surround the City of Milwaukee, and abound in Whitnall Park and through the State, comes this experience of rare—ness.

Within the extensive area called Whitnall Park is a variation of planting from Bog to Herb to Rose to Hemerocallis to Perennial to Annual Trial Gardens to Region 8 Test Garden to the Central Plantings of the Iris Convention. These are but a few of the horticultural features of this haven of Nature.

You who always are able to get in a round of golf: bring along your clubs, for here another set of "standards" can be developed on the 18-hole course within the park.

"We Like It Here", a slogan that expresses the feeling of many of our citizens, has readily been adopted by the irises from 34 States of the Union and Australia. All are growing well, and weather permitting, hybridizers



IN OLD MILWAUKEE
MILWAUKEE NITE

1969

American Iris Society Convention

**HEADQUARTERS :- SHERATON - SCHROEDER
HOTEL - MILWAUKEE**

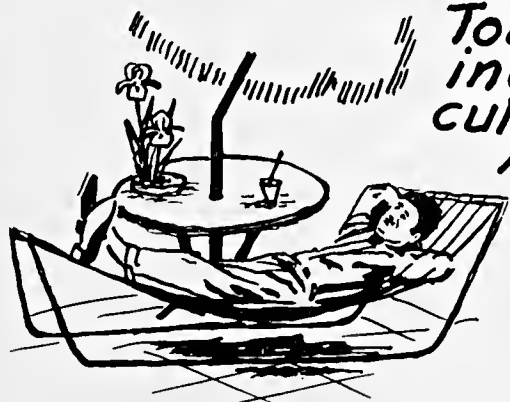
**DATES :- WEDNESDAY JUNE 4th Through
SATURDAY JUNE 7th.**

**REGISTRATION FEE :- BEFORE MAY 1, 1969 \$42⁵⁰
AFTER MAY 1, 1969 \$47⁵⁰**

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**"FOR GEMUETLICHKEIT
IN IRIS TIME ITS
MILWAUKEE 1969."**

from throughout the Nation will present a grand array of irises for you.

In Wisconsin, you can remain the serious irisarian, or become a golf enthusiast, a lover of Nature and walk her trails, a fisherman on a beautiful lake putting a wiggly worm on the hook for a pan fish, or casting a lure for trout, bass, walleyed or even a tiger muskie. You can become a water nymph, a seeker of wild life as bear, deer, beaver or other animals in the Northwoods. As a mariner, you will find cargo ships from all over the world docking at our ports. If you are a devotee of the Arts, there is the new Music Hall that will be completed by convention time, the Memorial Art Center, an exceptional museum; and if you like your animals in a safer place, there is the Zoo for which the County of Milwaukee has become noted.

AH YES! The Horticultural Conservatory, composed of three large geodetic domes, and a smaller transitional one, will enable you to travel quickly from the desert and its cacti to the lush growth of the tropics; and then to the Exhibition Dome where are presented the blooming flowers of the day.

As a prelude to what interest you may choose to follow, let us on "Old Milwaukee Night" enjoy the festivities and imbibe to each ones' own delight in the fluid for which Milwaukee has become so noted.

Milwaukee beckons you—Come for the Irises—for the Gemuetlichkeit—and for a great vacation—Wisconsin Welcomes you—in '69.

CLARENCE PROTZMANN

THE WICHITA AREA IRIS CLUB

Extends an Invitation

to the

NATIONAL CONVENTION

of the

AMERICAN IRIS SOCIETY

May 12-13-14-15, 1971

BARTLETT ABORETUM

Kansas Crossroads
of the
World's Gardens
Belle Plain

WATSON PARK

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GUEST GARDEN TOURS

Convention '71 Wichita!

Hybridizers please get your estimates of
guest iris in early.

Iris In Region IV In 1968

RALPH AND HELEN LEWIS

CAROLINA DELIGHT. Excellent new pink, charming and different. Not deep in tone, but a very clear pink just on the orchid side of pure pink. Tight standards and flared falls; both extremely ruffled. Substance and branching more than satisfactory.

MUSIC HALL. Nice peachy pink with tight globular standards and broad semiflaring falls. Beautifully ruffled flowers with deeper toned rose-pink beard. Form and substance excellent.

CANDY COUNTER. Wintergreen pink and cream bordered with amber tone. Beard is red. Form is good. Flower very heavily laced. A good bloomer and one that we want.

HEARTBREAKER. Lovely and delicate light pink with bright tangerine beard which does not fight. Good form and substance. We like it.

BREATHLESS. A big, nicely substanded pink with a deeper beard. Beautifully waved petals of good substance. Excellent bloomer.

PIPE DREAM. Big "baby ribbon" pink blooms of good form and strong substance. Nicely ruffled flowers on tall strong stalks that branch nicely. We like it a lot.

Other really good pinks we saw are APPLE VALLEY, COLLEGE QUEEN, ONE DESIRE, ESTHER FAY, CAROLINA PEACH, MAY HALL, COURT BALLET, FAIR LUZON, PINK TORCH, IRISH LULLABY, CHERRY PINK, CORAL WAVE, PINK ENCHANTMENT and HAPPY BIRTHDAY.

WINTER OLYMPICS. Very large, beautifully formed and excellent substanded white with lots of ruffling. Prolific bloomer, but not a rapid increaser here.

HENRY SHAW. Not new, but a fine white and dependable performer. Broad petals are nicely ruffled and of excellent substance.

ARCTIC FURY. Big superbly formed white that is beautifully waved and has excellent substance. Fine in every way.

CHRISTMAS TIME. Large and superb white with red beard. Excellently formed and beautifully laced. Tall strong stalks are beautifully branched. An excellent flower.

BILLOWING SAILS. Very large and imposing ruffled white with globular standards and semiflaring falls. Strong stalks and good branching.

FLUTED HAVEN. Not new, but still the peer of any white we ever have seen.

RUFFLED VALENTINE. Beautiful ruffled white with brilliant red beard. Excellent.

DEBBIE ANN. Very charming border iris. Beautifully formed and proportioned. Well substanded. Clear of color and an excellent performer.

WIDE COUNTRY. Huge greenish cream flower, excellently formed and very sturdily substanded. Petals are unusually broad and heavily laced. To us, the effect is primarily a cool cream. Stalks are tall and strong.

COUNTY DOWN. Big deep cream self with slightly more intense color at haft. Standards tight and falls wide and semiflaring. Strong stalks are

well-branched.

TINSEL TOWN. Flowers are very large, well-formed with slightly open standards and semiflaring falls, with gold at the shoulders and edge of the falls, and gold beard. Nicely laced and heavily substandced. Stalks are strong and well-branched.

FRENCH LACE. Large flowers, well-formed with semiflaring falls. Warm white or cream effect, with golden hafts. Very heavily laced.

ROYAL TARA. A big glamorous white on the green side. Flower form is most satisfactory and this is true also of substance and branching. Very attractive.

TOUCH OF ELEGANCE. Well-formed and much ruffled, these flowers have creamy standards flushed pink, and falls deepening to bright yellow around the very red beard.

BRIGHTSIDE. Pale yellow according to lists, but to us it seems nearer to deep cream. It is a big, much laced and well-formed flower and the petals are edged lemon. Really a very attractive flower.

STAR TREK. Large and very ruffled yellow with very broad petals. The falls have a creamy white area around the yellow beard. Stems are tall and branching is very good. Foliage is purple at the base.

LEMON TREE. Well-formed, clear light lemon-yellow flower. Very floriferous and exceedingly well-branched.

LEMON FLURRY. Excellent yellow border iris, well-proportioned, ruffled. An early and reliable bloomer.

GOLD CARGO. This fine orange-gold flower has tight conical standards and flaring falls which are unusually broad; both nicely waved. Excellent and striking.

LACE GALORE. Extremely laced medium yellow. Well-formed flowers on sturdy, nicely branched stalks. One of the most completely lacy irises we ever have seen.

GLAMOROUS. Very ruffled and lacy flower of clear yellow, with white around a deeper yellow beard. Absolutely charming.

LAUNCHING PAD. Lovely white and yellow, with tight yellow standards and semiflaring white falls bordered yellow. Very ruffled and crinkled and excellently formed.

DENVER MINT. Rich yellow, darker at center. Flowers have tight globular standards and semiflaring falls, and are gracefully ruffled. Substance and branching most satisfactory.

LUNAR FIRE. Excellent orange or golden amber with blazing red beard. Large, well-formed and heavily laced flowers.

Among the other fine ones in these classes, we noted **ADORN**, **TEMPLE BELLS**, **MOON CREST**, **CANARY FRILLS**, **SUN COUNTRY**, **GOLD PIECE**, **BRAVADO**, **GOLDEN LARK**, **SUN MIRACLE**, **ROYAL LAIRE**, **LINGERING SUNSET**, **DIAMOND CUP**, **ACAPULCO**, and **CHARMAINE**.

TIJUANA BRASS. A very beautiful iris, blend of brown and bronze, well-substandced and beautifully formed, with nicely waved petals and a silky sheen. This is one we truly want.

STARBURST. Big tan and bronze blend, with tight standards and broad, arched and semiflaring falls. Stylish flowers resist fading and are carried on strong and well-branched stalks.

GINGERSNAP. This still is, to us, about the brownest of all, and one of

the finest. Form is excellent, substance very heavy, and color very clear and clean. Stalks tall and branching good.

SHOWMASTER. Very well-formed brownish tan with the color deeper at the edges of the petals. Tight standards and flaring falls, both with lots of ruffling. Branching is good, stalks tall and substance heavy.

A few others we must mention are WAYWARD WIND, THOTMES III, DR. K., BRASS ACCENTS, OCTOBER ALE, and TAHITIAN BRONZE.

CAROLINA TOPHAT. Well-formed flaring black with broad round falls and tight standards. Perhaps a blue-black rather than just black. We liked this one as a seedling and even more as a named variety in a clump.

NIGHT SONG. Big, well-formed black-violet with self beard. Petals are broad, heavily subenced and of velvety texture. Floriferous and well-branched.

HEART OF NIGHT. Very fine blue-violet with tight standards and flaring falls, and with self beard. Excellent.

GRAND ALLIANCE. Nice violet-black with tight spectrum violet standards and darker falls that carry a brownish beard. Nicely ruffled and well-branched.

SWAHILI. A red-black with brown at hafts and dark brown beard. Flaring form and strong substance.

TAR LITTLE. Very fine black border iris. Standards tight; falls flaring, with a gold tipped beard.

A few of the other good "blacks" we saw include BLACK NITIE, EDENITE, DARK FURY, BLACK TAFFETA, SABLE NIGHT, ECSTATIC NIGHT, AFTER DARK, MIDNIGHT, JET BLACK, TAR HEEL and TOTAL ECLIPSE.

RUMBLING THUNDER. Well-shaped flower of midnight violet; domed standards and very flaring round falls, carrying a violet beard tipped yellow bronze. Ruffled and heavily subenced. Stalks are tall, strong and well-branched.

PRINCE INDIGO. List says dark blue, but seems to be a definite pansy violet to us. Very large and well-formed. Blooms stand up amazingly well in bad weather. A most reliable performer wherever seen.

STERLING SILVER. Violet bitone, lightly ruffled and approaching near to perfection in form. Petals show slight silver edging. Stalks are strong and well-branched and performance is good. Truly an excellent iris.

ORCHID BROCADE. Finely formed, ruffled flower with very broad petals. Color is an orchid-rose with tan at hafts. Stalks are heavy and well-branched, and the substance is amazing. Gorgeous.

EVER AND EVER. Orchid self, laced and ruffled, with graceful well-formed flowers.

CRINKLED BEAUTY. Pale orchid-pink with silvery overlay. Flowers are large; the petals broad and very, very heavily ruffled and laced.

TIMMIE TOO. Charming and perfectly formed little deep violet border iris with a blue beard. One that is well worth growing.

POLKA LACE. Tall and well-branched stalks; violet flowers with orange beards. Very ruffled and with good form and substance. Violet color is on the red side.

CRINKLED JOY. Nice big lilac self, well-formed and with amazingly heavy ruffling. Branching and substance most satisfactory.

Some of the other good violets are POLKA TIME, JERSEY BEAUTY, VAT-

ICAN PURPLE, CASHMERE, GAY HAVEN, VIOLET HAVEN, PURPLE HAVEN, SHADOW WALTZ, MARIE PHILLIPS, TWILIGHT ZONE and ROYAL TOUCH.

TYROLEAN BLUE. Large, well-formed, tight standards and flaring falls. Medium dark blue, with a brown flush on shoulders of falls, which adds to rather than detracting from the beauty. Beard light blue. Form, substance and branching are excellent.

BEATRICE JOYNT. Beautifully formed medium blue self with very blue tone. Flowers well-substanced and carried on well-branched stalks. Very floriferous and an exceptionally fine performer. Definitely a "sleeper" and should be much better known than it is.

MUSIC MAKER. Truly sky blue iris that approaches very close to perfection in form, substance and color. It has no lighter area around the beard. We think it is superb.

CAROLINA SKY. Very fine new medium blue, clear and true as to color and with excellently formed flowers that are waved and heavily substanced. A good performer and a good parent.

PACIFIC PANORAMA. Large and beautiful medium sea blue, beautifully formed, ruffled and with lots of flare; truly deserved its DYKES MEDAL.

PACIFIC WATERS. Big flaring and ruffled light blue with violet undertones and a lemon beard. Well-branched and altogether good.

TIDELANDS. Big and beautifully formed medium dark blue with tight globular standards and flaring falls. Like ALLEGIANCE among the dark blues, it is notable for being blue rather than violet. Strong stalks and fine branching. Another "sleeper".

BERCEUSE. Fluted blue-white falls and tight standards of pale sky blue. Beard tipped yellow. The petals show some violet tones. The branching is good.

WENATCHEE SKIES. A grand big medium blue iris, beautiful as to form. Heavily substanced. Very blue and very ruffled, with tall well-branched stalks. We have found it to be a superb performer.

FLEET ADMIRAL. Big and beautifully formed, very flaring violet-blue, carrying a thick beard of royal violet. Stalks are tall, strong and very well-branched. A late bloomer.

LOYALTY. A very blue iris, medium to light. One comment is that it approaches turquoise. Standards are tight and the falls flare; both are nicely waved. Branching is excellent. One we should like to have.

EPIC. A big, medium light blue with tight standards and large rounded flaring falls. A very showy flower.

Other blues we still have to mention are PIERRE MENARD, CHIVALRY, ALLEGIANCE, SIERRA SKIES, SOUTH PACIFIC, INDIGLOW, SAPPHIRE DREAM, DEEP SPACE, ROYAL IMAGE, SALEM, MARY WATERS, BAR HARBOR, GALILEE, JEAN SIBELIUS, BLUE BARON, CAROLINA ROYAL, FRENCH FLAIR, ROYAL CANADIAN, PACIFIC HARMONY, APROPOS and TRITON.

CLAUDIA RENE. Raspberry pink standards flushed amber, and darker falls of rose-violet, with brown shoulders. Beard is orange. Form is good, with standards tight and falls semiflaring. Good branching on strong stalks.

MT. EDEN. Very pale blue standards and much darker blue falls; nicely waved. Color is very smooth, branching good and plant floriferous.

ROYAL TAPESTRY. Very large and wide-petaled flower of excellent form and with lots of ruffles. A blend of fuchsia, violet, copper and chocolate,

with deeper brown around the edges, and a pale yellow beard.

HARMONY HOUSE. Standards pink, falls peach and beard a bright tangerine. Good form. Really nice.

CAMELOT ROSE. Huge and highly ruffled bicolor. Domed standards are silvery orchid, with glowing burgundy red falls of unusual width. Bright orange beard. Tall with good branching.

GENTLE PRESENCE. Standards creamy white. The red-violet falls are lined and with a white blaze. Different and excellent.

MARGARET ZURBRIGG. Beautifully tailored iris of excellent form and superb substance. Standards are a clean clear blue-white, and the falls are a very deep blue-violet. Clean, smooth and very true as to color. We think this is a superb iris.

SINGALONG. A charming medium size flower with white standards and flaring, waving canary yellow falls.

MAHALO. Nicely formed flowers with light blue standards and much darker grape-violet falls. The wide, semiflaring falls are edged in blue. Tall and well-branched.

MISS INDIANA. Our favorite of all of this type introduced by Paul Cook. We like the silvery white standards and deep blue falls, and have had good luck with it as a parent.

CAROLINA HOPE. The tight white standards are just touched with violet. Semiflaring falls are violet, with a deeper line down the center. Exceptional substance and branching. Different and very charming.

Some other good ones in these color classes are **MAIN ATTRACTION**, **BALANESIAN**, **NASHBOROUGH**, **WHOLE CLOTH**, **MAUVE MINK**, **TOLL GATE**, **TRUDY**, **CONGENIALITY**, **EMMA COOK**, **AMIGO'S GUITAR**, **WINE AND ROSES**, and **BRIGHT CLOUD**.

GRAND SPECTATOR. A really good big plicata. Creamy white standards are washed gold, and the broad white falls with cinnamon gold border are flecked cinnamon and purple across the haft. Excellently formed, nicely waved and quite tall.

MINERAL KING. Fine copper and cream plicata. The tight standards are copper, and the flaring falls are cream bordered with copper. Very frilled and ruffled.

MAY MELODY. Pink and yellow standards and creamy falls bordered yellow. Tangerine beard and very ruffled petals. A good performer.

RIBBON ROUND. A superb blue and white plicata, beautifully formed, with broad petals of excellent substance and nicely ruffled. The pattern is a clear blue on creamy white. Stalks are tall, branching excellent, and performance well above average.

HAWAIIAN HOLIDAY. Big, beautiful, heavily subenced blue and white plicata. The tight white standards are touched with blue-violet, and the broad flaring falls show a very definite half-inch border of blue-violet. We liked it.

CURTAIN CALL. Nicely formed new plicata of white heavily edged with rose-pink. Beard is yellow. Tightly globular standards and semiflaring falls; both nicely waved. Branching is good.

APRIL MELODY. The ground is pale lavender with a deeper lavender border. Standards are globular and the semiflaring falls are wide and nicely waved. Beard is tangerine but not obtrusive.

PUNCHLINE. An elegant new blue and white plicata with tight standards and semiflaring falls. White ground with blue border and blue at throat. Exciting.

A few others that we especially noticed were **TAHOLAH**, **ROCKET RUST**, **SIVA SIVA**, **LOVLEE**, **HUMORESQUE**, **SIGNATURE**, **NATIVE CHIEF**, **WILD GINGER**, **EASTER PARADE** and **LAZY LAGOON**.



Thursday lunch at Berkeley convention

IN MEMORIAM

CLYDE COCHRAN

As we go to press, we have learned of the death of Clyde Cochran, long a resident of Region 22, but more recently of Colorado. He had a real interest in the success of Region 22, and two of his latest introductions, **BRIGHT 'N BOLD** and **SAPPHIRIMA**, were given to Region 22 to enhance the state of their treasury.

DR. C. P. DAWSON

We also learn, as we go to press, of the death of Dr. C. P. Dawson, editor of the *Oklahoma Medical Journal*, who specialized in pure arils, the aril-breds and the 44's. Dr. Dawson has written many fine articles on arils.

Dr. Frederick C. Seids

We have learned of the death of another long-time Oklahoma irisarian, Dr. Seids, on June 21, 1968. Dr. Seids was ninety-four years of age, and had practiced dentistry for sixty-seven years. He attended a large number of national conventions, and many of the convention-goers had met him.

DAVID F. HALL

WILMER B. FLORY

With tragic suddenness, another of the pioneer stalwarts of the horticultural world is gone. On July 24, Dave Hall, while walking across a railroad crossing in Wilmette, was struck by a train and died instantly. On August 15 he would have been 93 years young (young is the only way to describe him), nothing senile about Dave in spite of the fact that the years had left his physical health somewhat impaired.

Dave was a man of innate modesty. In all the years I knew him, not once did I hear him brag about his horticultural achievements, impressive as they are. He had a rare sense of humor—droll, and at times earthy, but never coarse; and “gab” sessions with Dave, punctuated as they invariably were with amusing anecdotes drawn from his long and varied experience as trouble-shooting attorney for the A T & T, were occasions his friends will treasure and chuckle over for years to come, all the more so now that they have come to an abrupt end. I think the other quality that impressed me about Dave was the solid integrity of the man. In this sophisticated modern age, to say that a man’s word is as good as his bond is to be branded old fashioned and ‘square’ and childishly unrealistic. Dave grew up in a different environment where one’s personal integrity was as zealously nurtured and guarded as one’s religious convictions.

Dave was born in Blenheim, Ontario, Canada, on August 15, 1875. Thus his life span stretched an incredible distance from the horse and buggy days and all the term connotes to our own sophisticated modern age of space ships and projected trips to the moon and beyond. When he was but five, his father, then only 32 years old, was thrown from a wagon by a team of runaway horses and killed. Some four or five years later, Dave’s mother married again; this time to a widower with three children, and the combined families made quite a houseful! A year later Dave went to visit his Grandfather and Grandmother Hamil and stayed on with them until he was fifteen. These were formative years for Dave, and Grandfather Hamil seems to have been the chief influence in shaping those rugged traits of character that made Dave so successful in later life. In 1896, at the age of 21, Dave started working for the American Telegraph and Telephone Company, and stayed with them for the next 44 years, retiring in 1940 at the age of 65. Since retirement he had devoted full time to the breeding of irises and daylilies, with the result that now well over 300 Hall varieties of irises and daylilies grace the gardens of discerning horticulturists all over the world.

Dave Hall does not need a memorial. The great store of floral beauty he left to us is memorial enough, and the only one he would have wished.

And now, farewell to a great horticulturist, a devoted husband and father, and a loyal friend.

MRS. E. G. EMMS

HELEN McCAUGHEY

Mollie Emms had an early love for and a vast knowledge of horticulture. It was only after she and George established their home in Gisborne, New

Zealand, about twenty years ago, that this love centered on irises. Their garden, built stone by stone, featured irises, landscaped in superb design and highlighting a vast collection of horticultural specimens, became a mecca for iris growers, both at home and abroad.

It was her great delight to travel in many countries, attending iris meetings and seeing the latest developments in irises. A year and a half ago, when she and George arrived in England on holiday, it was timed to hit the peak iris season. She attended meetings and saw many gardens, and reported on them in the British Iris Society Yearbook. Harry Randall wrote of her article that Mollie not only saw the irises, but had the remarkable power to describe them perfectly. She was talented in many fields, and photography, coupled with her powers of description, enabled her to present many fine iris programs to interested groups on three continents. These programs always were enthusiastically received, for she spared no effort to present them properly. She was not a large person in size, but her remarkable ability, courage and enthusiasm made her a giant.

Plagued by illness for the past year and a half, her keen interest never dimmed. She was touched by the lack of response to Mr. Batt's plea to establish a park planting in Coventry, England, and wrote some of her American friends for gift rhizomes for the project. We think it would be a fitting memorial to Mollie if the Coventry park established an iris garden in her memory, and if her friends throughout the world sent irises as a living tribute. We think this is the way she would want it—to give pleasure and happiness to others.

From the Editor's Desk

One of the pleasant innovations is the over "coffee and doughnuts" sessions Margaret Laughinhouse holds in her home for beginners who have an interest in growing irises well in Columbia, S. C. The technique must be effective, for she has added 14 members to AIS this year, and she gets calls from people she does not know to become a part of the "doughnuts and coffee" iris information sessions.

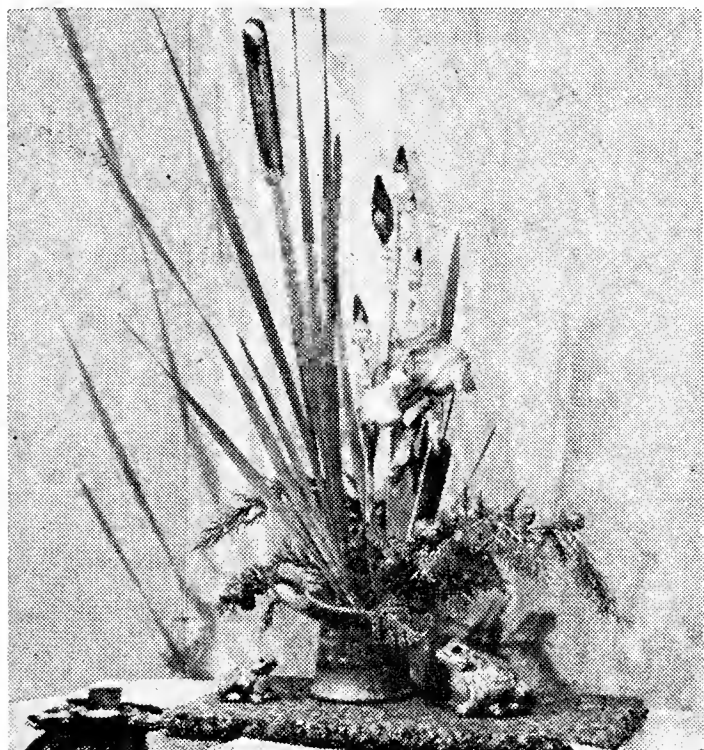
We are saddened to hear, as we close up on this Bulletin, of the news of Leo Reynold's death. The Reynolds were delightful people, and it is hard to believe that they are gone.

The following was submitted by Gordon W. Plough of the Eden Road Iris Gardens, Wenatchee, Wash. The owner admits he writes all the iris names on the stakes in the garden, including the one for the 1968 Dykes Medal Winner, STEPPING OUT. Three women visitors were looking through the garden when one said, "Oh, look, girls, here's Sleeping Out."

The Delaware Valley Iris Society, Norman Clouser, Pres., has sent a check of \$25.00 to be added to the Scientific Research Fund. Region 21 at its annual fall meeting, voted to send \$100 to this fund. These growing contributions will help hopefully to aid in finding the keys which science can furnish in unlocking new doors to garden growth of more beautiful

irises, free from some of the traumatic cultural experiences we sometimes experience.

Julia Stratman, Box 203, Culbertson, Nebr. 69024, is looking for the following irises: BEAU GAY, CARESSA, PEARL BLUE, MAID OF COTTON, WHITE SHEPHERDESS. Anyone having these may write her directly. If there are others who are looking for irises they like or want to use in hybridizing programs, and are unable to locate them through the ordinary commercial channels, we will be glad to list these wants on the pages of the Bulletin.



(photo by MACKINTOSH, by courtesy of CALIFORNIA GARDEN MAGAZINE)

AUTUMN GLORY was the theme of the "Best Arrangement of the Show" at the San Diego Fall Iris Show on November 19, 1967. The reblooming iris JOSEPH'S MANTLE—in a setting with cattails, cone-laden spruce branches, and a pair of fat hop-toads—was entered by Bill Gunther, of Del Mar.



LILAC CHAMPAGNE
(Hamblen '65)

Mrs. J. R. Allen of New Braunfels, Texas, reports that SPRING ROMANCE has bloomed in the city main plaza every month since last July (July 1967. We heard from her on May 2, 1968.).

Secretary Benson and his irises were featured with color photos in the St. Louis Post-Dispatch. G. E. Redman and his Ralston, Nebr., garden were featured in color in the Omaha World-Herald. Mrs. Earl Mount was featured in the Albuquerque Journal for her work in sending iris rhizomes to Kabul, Afghanistan, where they will be planted on the grounds of the embassies.

There were more judges who did not vote the Official Ballot than we can remember, and the count on the Popularity Poll was down. On the other hand, there was an increase in votes in Guest Irises and Judges Choice



Mr. Henry Boney (left) Chairman of the Board of Supervisors of San Diego County, presents proclamation to Arthur B. Day, proclaiming irises as the Flower of the month of May. Mr. James Saraceno (right), Garden Supervisor of the County Administration Center, joins in the presentation. Mr. Saraceno has cared for the irises planted by the Society, and has divided and planted them in many areas, beautifying the County Center. He makes arrangements for the information booths and for the Supervisor's chambers. He enters blooms for the Center in the Society's shows.



Mr. Hugh A. Hall, (left) Celebration Director of San Diego's 200th anniversary, presents silver bowls saluting irises as the Flower of May to Mrs. Charles Martin and Arthur B. Day, President of the San Diego-Imperial Counties Iris Society. The iris is the flower for the month of May, 1969, for the 200th Anniversary Celebration of San Diego. Mrs. Martin contributed many irises when the San Diego-Imperial Counties Iris Society landscaped the County Administration Center with irises. Since then irises have been planted at Sea World and along Spanish Landing, beauty entry from airport entrance to San Diego.

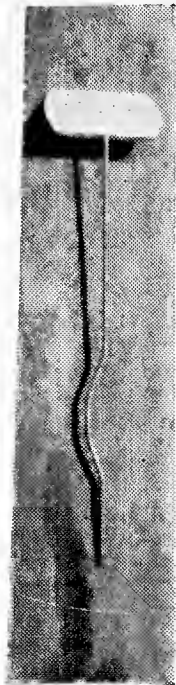
ballots. It seemed that in all four cases votes were more widely scattered than ever before.

One of the crying needs of the Bulletin is good clear pictures. Many printers will not use anything but a "glossy"; and more and more our printers, anxious to produce a high quality Bulletin, are turning down photos because they will not be clear.

As we began to close in on this issue, we ran into a problem, with too much for a 112 page issue and not enough for a 128 page issue. Either of these numbers, with cover, will work with the five-pocket bindery; but any

intermediate number would call for the issue to go through the bindery twice. So we set aside a couple of articles to use in the January issue.

As we look back over the years, our mind wanders back to those irises which we came across at their peak of perfection and which brought real excitement. Among those would have to be Walter Welch's FASHION LADY, Bee Warburton's BRASSIE, Melba Hamblen's TULARE, Larry Gaulter's JILBY, Opal Brown's WINTER OLYMPICS, a STEPPING OUT seedling of Bob Minnick, Serlena Reynold's FLUTED HAVEN, and Schreiner's AMETHYST FLAME.



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ANNOUNCEMENTS

REMINDERS AND AN INVITATION TO AIS MEMBERS

—HUGO WALL

Membership Renewals

All AIS members (except Life Members) are placed in one of two groups: Group A whose dues become payable in January and Group C whose dues become payable in July. Do you know which group you are in? If you're not sure, check your membership card. Then send in your dues to the national office as soon as you can after the expiration date of your membership.

I make this plea to all AIS members because both the national office and Regional Vice President's records are thrown into confusion when we are careless about "paying up." It also adds greatly to the burdens of our RVPs and their Membership Chairmen—such as changing their record cards, writing you reminder letters and so forth. This all costs time and money that we need for other duties.

New Memberships

New memberships, to be credited to those members who are helping us build up our AIS membership and to their Region, must be received by the national office on or before September 30, 1968.

New Members

This is an invitation to all AIS members, particularly those of you who have been members for only a year or two, to write me about what you like and don't like about the AIS. What can we do to meet your expectations that we are not doing? I can't promise that we will do it, but I do promise that any suggestions sent to me will be given careful consideration and brought to the attention of the AIS officers. Send your letter to Hugo Wall, 1305 N. Yale, Wichita, Kansas 67208.

FORMAT OF SUCCESSFUL SHOW PUBLICITY PROGRAM

One of the most successful publicity programs for an iris show was put together by the Hamblens and their coworkers for the Rainbow Iris Society show. The mayor proclaimed May 25 and 26 as Ogden Iris Days, and seventeen merchants combined to place a half page ad in the local paper advertising the event. There was a pre-show article with an attractive picture, and an after-show article with a picture of the Queen of the Show and its exhibitor. In addition, there was a feature article on irises by the paper's feature writer, and the show made the editorial column twice.

The Governor of the State of Utah declared June 1 to 7 as Utah Iris Week.

The publicity resulted in the largest number of visitors ever to the show, and the results speak for the genius of hard work and know-how of the people of the dedicated irisarians who sponsored the Ogden show.

ERRATA AWARDS

Because of the speed with which tallying had to be done to make the July Bulletin the official ballots were retallied and these appear to be the only errors which affect results: BB LP 64-03 not 64-63. Also 5 votes were cast for it as a TB, but Mr. Peterson informs us that it is a BB. Louisiana CONTRABAND DAYS (Granger), not COUNTERBAND DAYS. CAPTAIN GAL-LANT ineligible for Cook-Lapham Bowl having won it once. Page 56 THRUWAY, Knocke. Page 59 MAD CAP, Davis. Page 63 (Tompkins) OVATION, not OVERDUE.

AMERICAN IRIS SOCIETY SEED EXCHANGE LIST 1968

The Species Committee announces the new seed list for 1968 will be ready for mailing soon after this bulletin is received. *A long* (number 10) *envelope*, *stamped* and *self-addressed*, will bring you the opportunity to grow many unusual kinds of Species irises; and since those grown from seed vary in wondrous ways, no two will be precisely alike. Mail your request for the list to:

MRS. JOHN R. HARDY
296 HUNSAKER LANE
ENGINE, OREGON 97402

BRITISH IRIS SOCIETY AWARDS

Romney Towndrow Trophy for best specimen at show: Ray Jeffs with CORA-BAND.

Foster Memorial Plaque: Dr. G. Rodionenko.

Pilkington Award: Donald Patton.

Hugh Miller Trophy for hybrids of non-bearded irises: Mrs. L. W. Brummitt, with *sibirica* DREAMING SPIRES.

Souvenir de M. Lemon Trophy for hybrids of bearded irises other than tall bearded: John Taylor with PIONA.

DYKES MEDAL: Not awarded in England for 1968.

NEW SPECIES PUBLICATION AVAILABLE

The new monograph of the Pacific Coast Irises, published by the British Iris Society with the Royal Horticultural Society, is available in this country through the Species Committee on receipt of one dollar (\$1.00). This is an expansion, with many educational line drawings added, of the fine article which appeared with color plates in the RHS Journal, April 1967. The Species Committee is including this with a subscription to their publications, so for two dollars (\$2.00) you can receive this fine 40-page publication, plus *Signa* and the *Species Manual* initial section. For five dollars (\$5.00) you can receive a three year subscription to the publications, plus the monograph. Write Roy Davidson, 911 Western Ave., #200, Seattle, Wash. 98104 for "*A Guide to the Pacific Coast Irises*" by Victor Cohen and subscription to the *Species Study Group*.

IRIS SLIDES FOR RENTAL

The American Iris Society maintains numbers of excellent sets of iris slides for rental. Each set contains 100 slides, 35mm size. A list of the names of the irises accompanies each set. Ideal for a program for your iris meetings and garden club meetings, these slides are a fine way to study the new irises. Are you considering, or would you like to see, some new irises? What better way than to rent a set of slides and keep informed on the newer varieties.

For that additional program fill-out the following sets are offered:

- . . . Set of the newer tall bearded irises, including many of the recent award winners—top favorites—and selected garden scenes.*
- . . . Set of various bearded species and hybrids, other than tall bearded, including standard dwarf, intermediate, table, and border bearded types, and some very special slides of the arils in various types.*
- . . . Set of various bulbous irises including reticulatas and juno irises. Also many species and hybrids of the beardless family including: Crested, Louisiana, Western natives, Spurias (including some of the most recent spurias just out), Siberians, and Japanese.*
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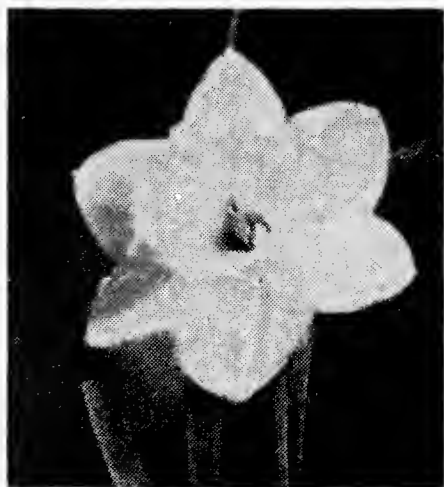
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(Schreiners '68)
(Photo Courtesy Schreiners)



A Modern Floral Design Featuring RAMPAGE (Tompkins '59) and BURGUNDY BELLE (Dubes-Young '59). Irene S. Nelson

